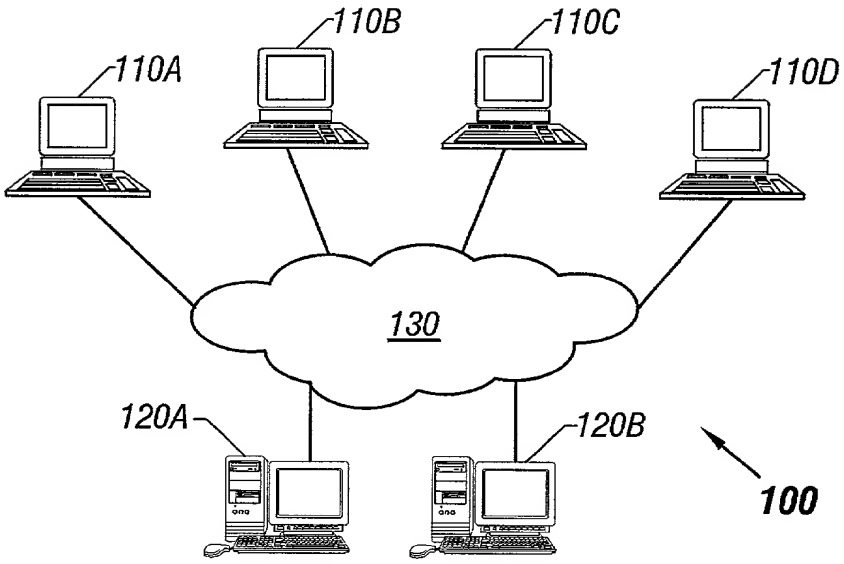


FIG. 1A
(Prior Art)

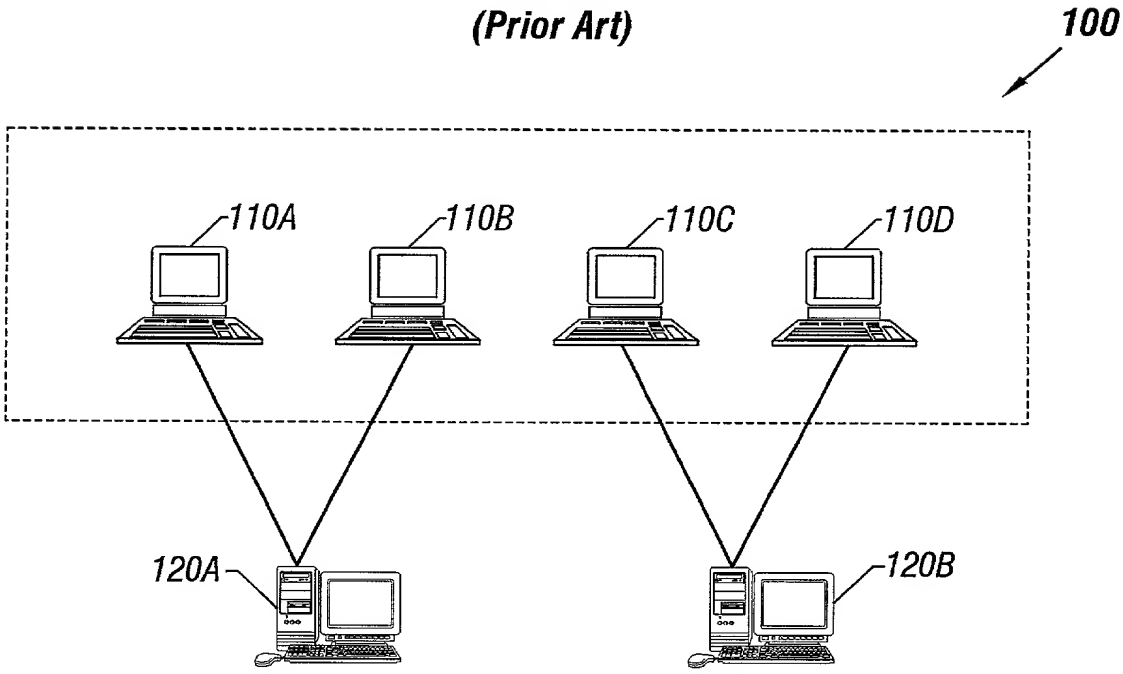


FIG. 1B
(Prior Art)

09754598 - 083103

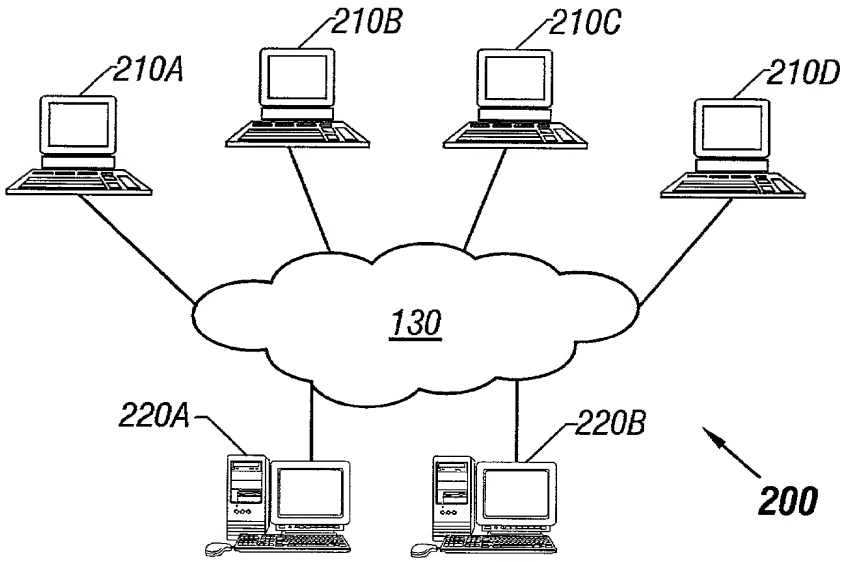

210A
210B
210C
210D
130
220A
220B
200

FIG. 2A

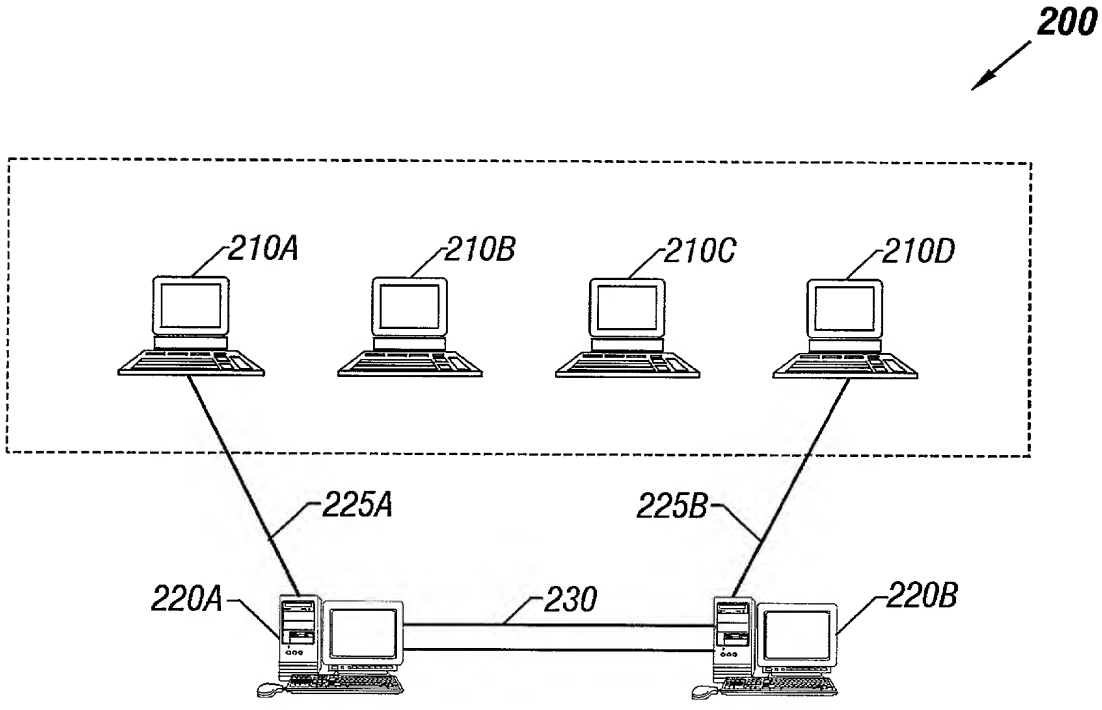
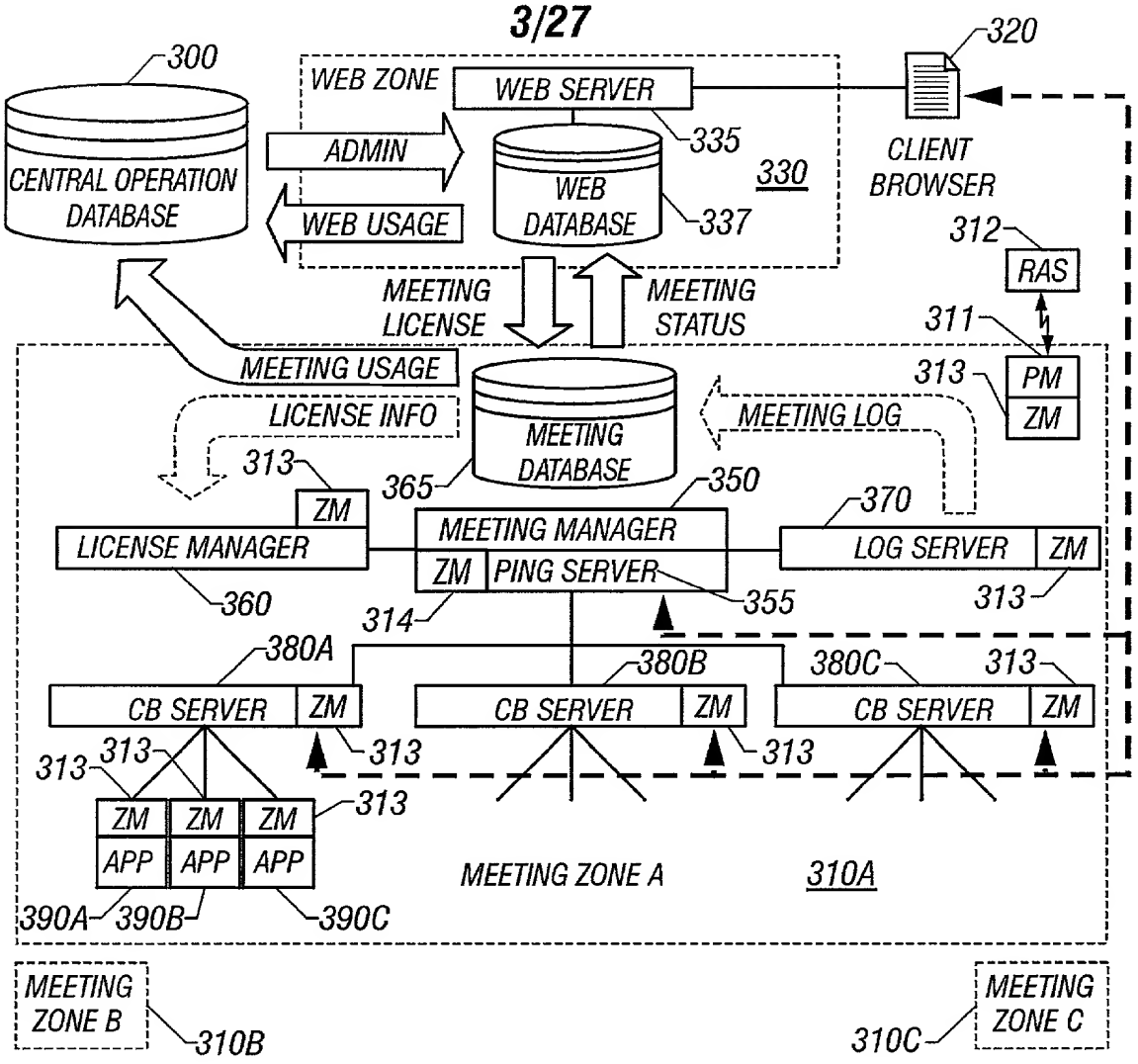

200
210A
210B
210C
210D
225A
225B
220A
230
220B

FIG. 2B



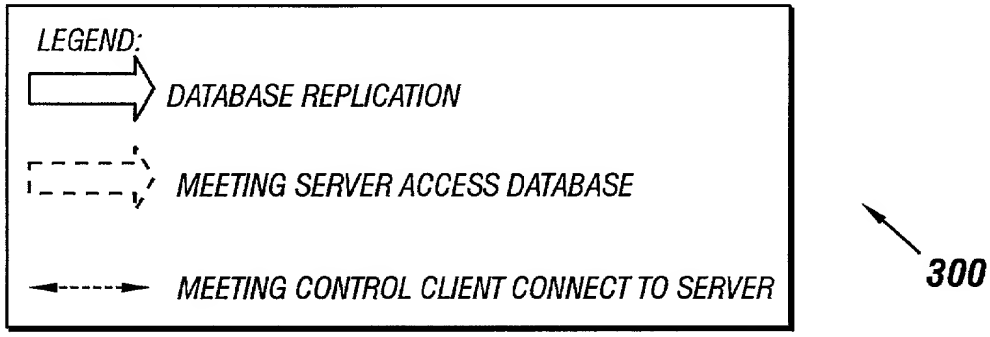


FIG. 3

09/956,946 - 09/26/01

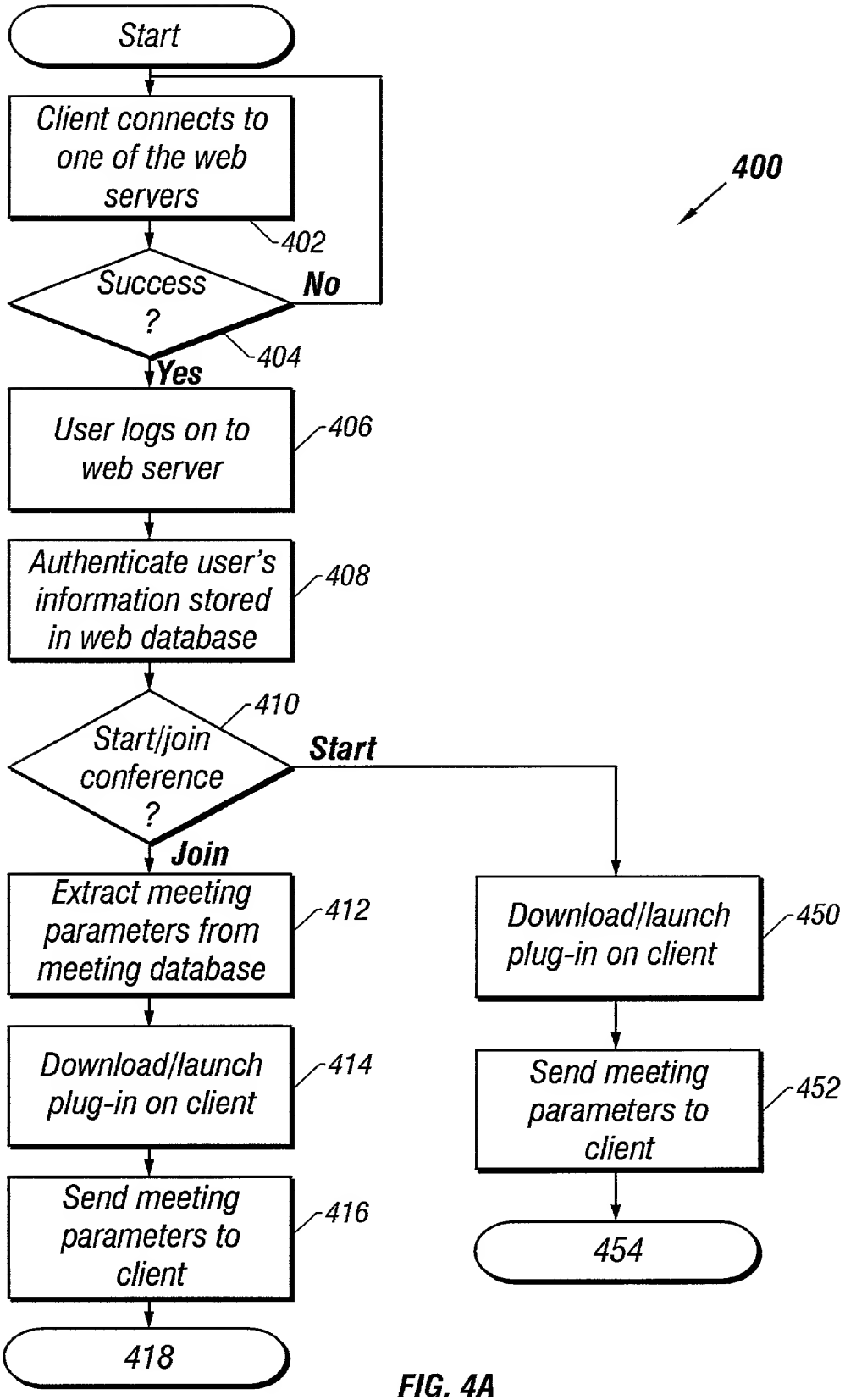

Start
Client connects to one of the web servers
402
Success ?
No
404
Yes
User logs on to web server
406
Authenticate user's information stored in web database
408
Start/join conference ?
410
Start
Join
Extract meeting parameters from meeting database
412
Download/launch plug-in on client
414
Send meeting parameters to client
416
418
Download/launch plug-in on client
450
Send meeting parameters to client
452
454
400

FIG. 4A

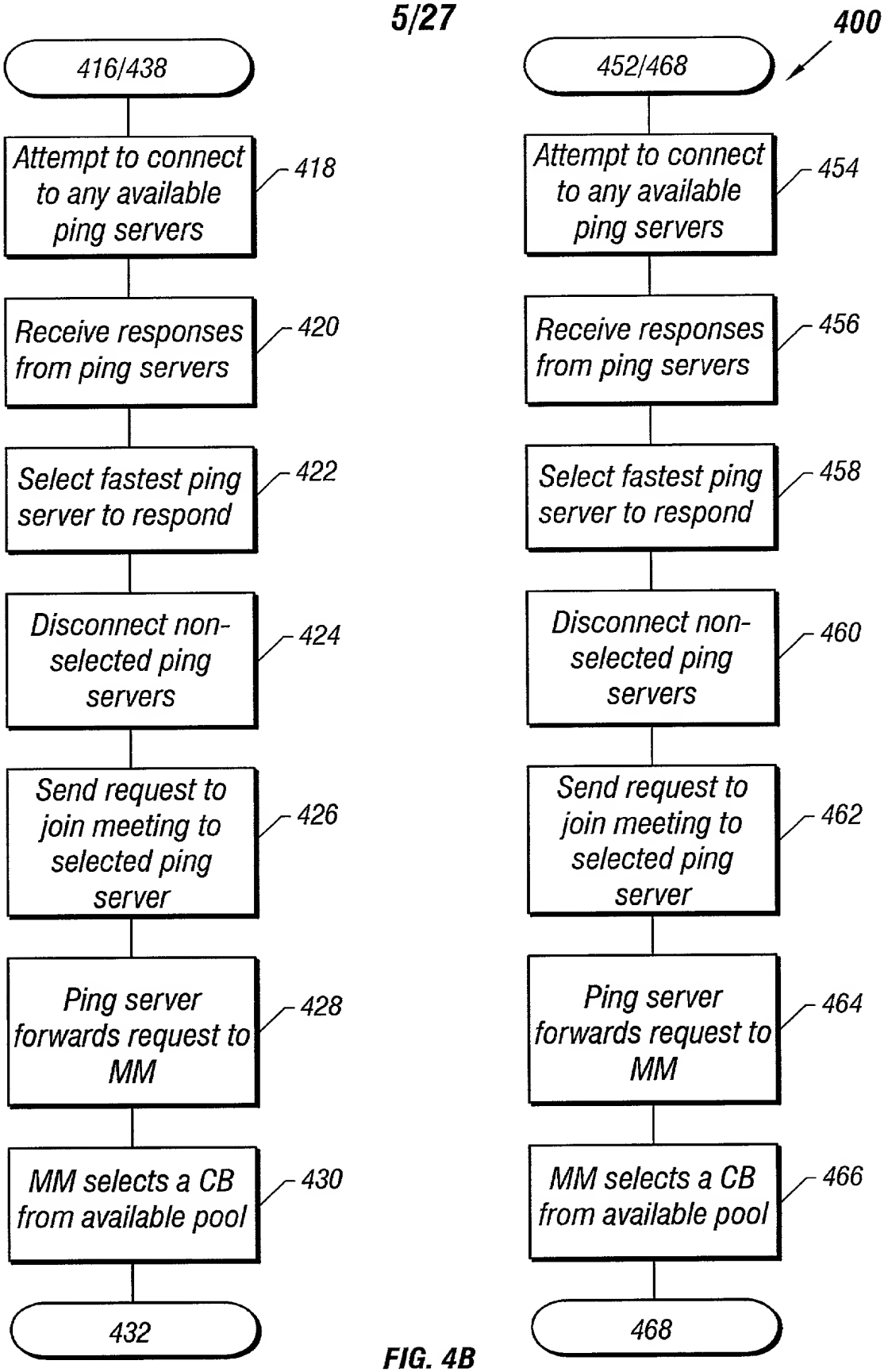


FIG. 4B

Sprint Exhibit 1004

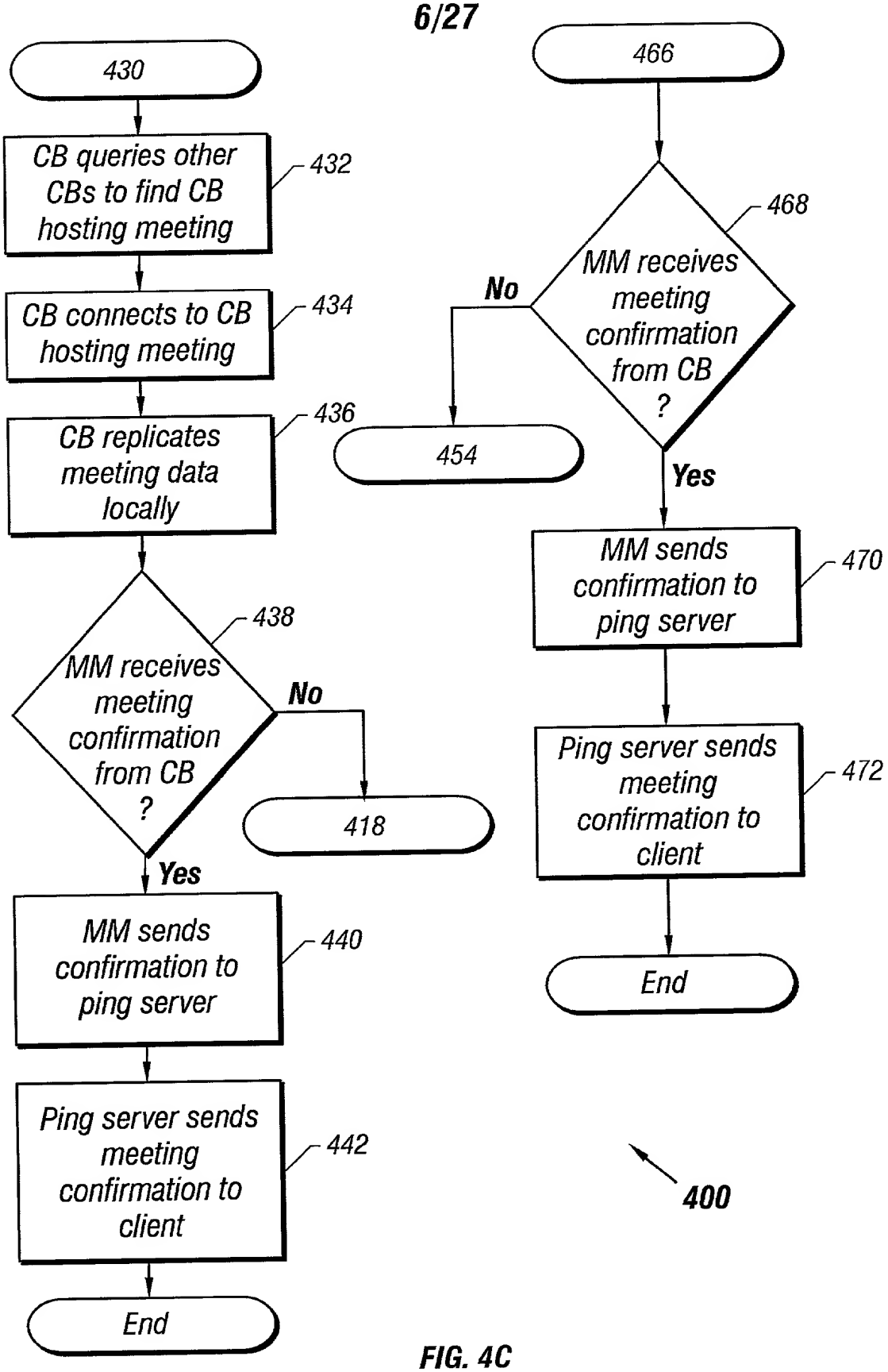

430
CB queries other CBs to find CB hosting meeting
432
CB connects to CB hosting meeting
434
CB replicates meeting data locally
436
MM receives meeting confirmation from CB ?
438
No
418
Yes
MM sends confirmation to ping server
440
Ping server sends meeting confirmation to client
442
End
466
MM receives meeting confirmation from CB ?
468
No
454
Yes
MM sends confirmation to ping server
470
Ping server sends meeting confirmation to client
472
End
400

FIG. 4C

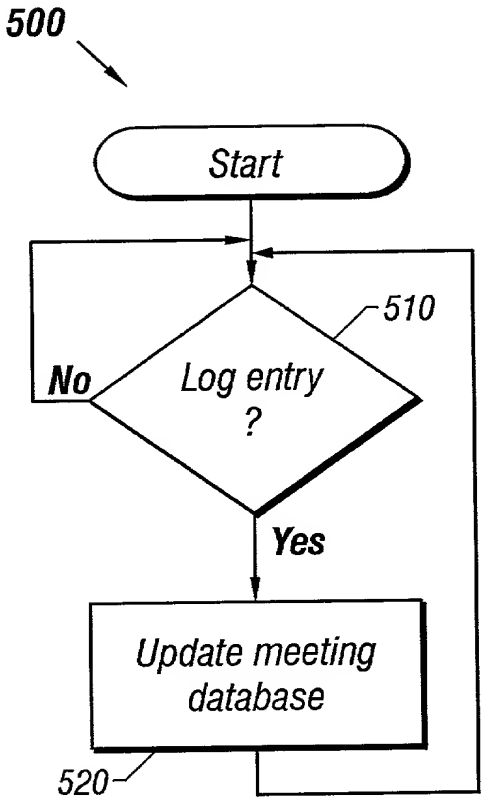


FIG. 5

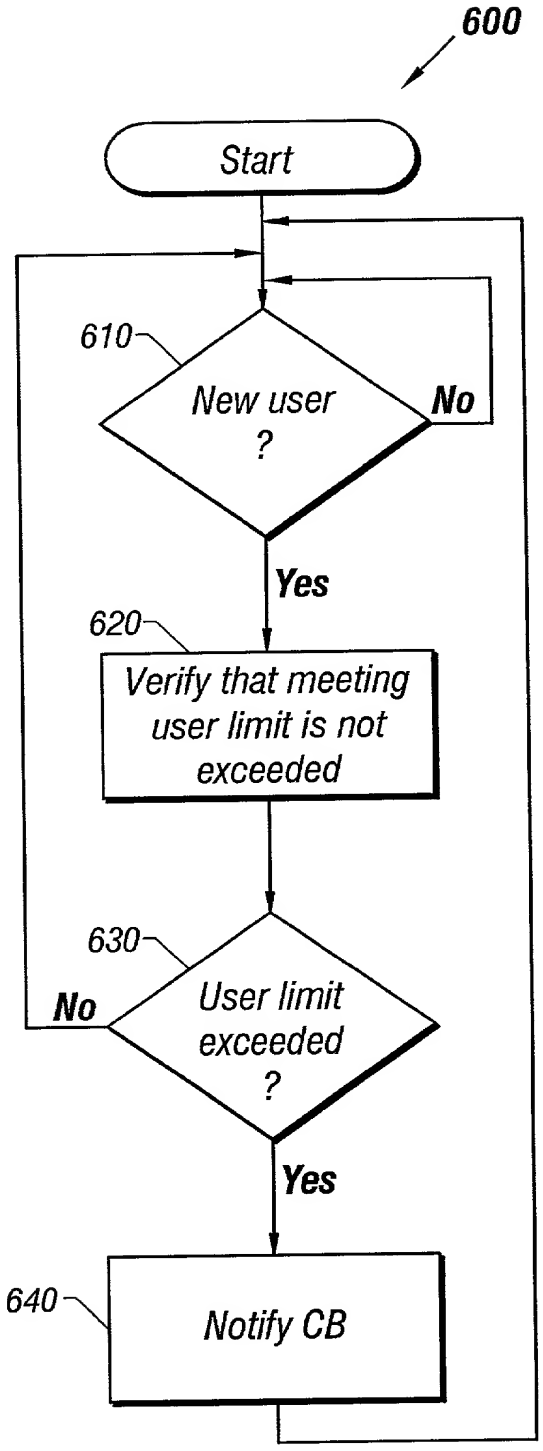


FIG. 6

09/15/2003 08:42:52

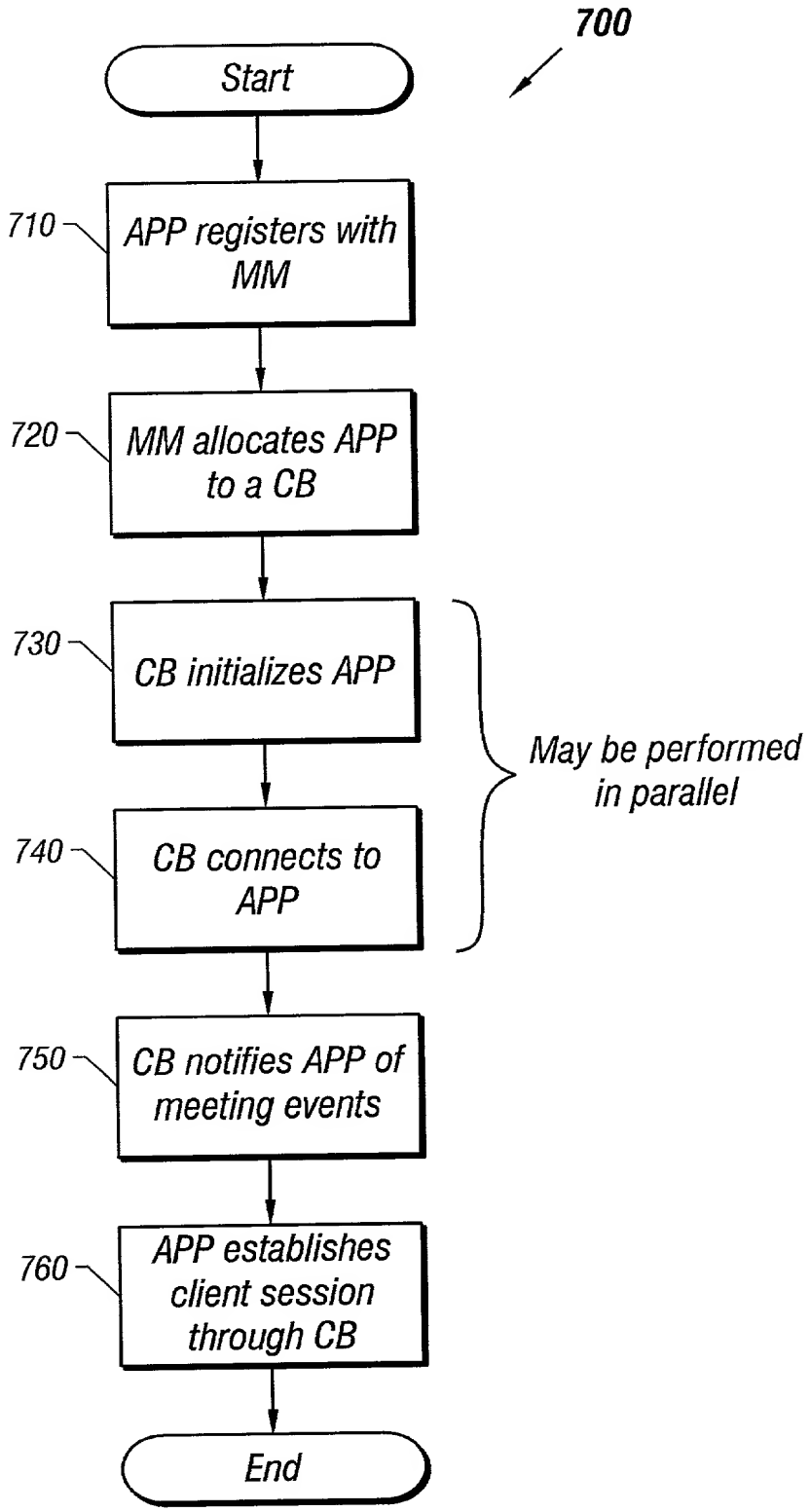

700
Start
710
APP registers with MM
720
MM allocates APP to a CB
730
CB initializes APP
740
CB connects to APP
May be performed in parallel
750
CB notifies APP of meeting events
760
APP establishes client session through CB
End

FIG. 7

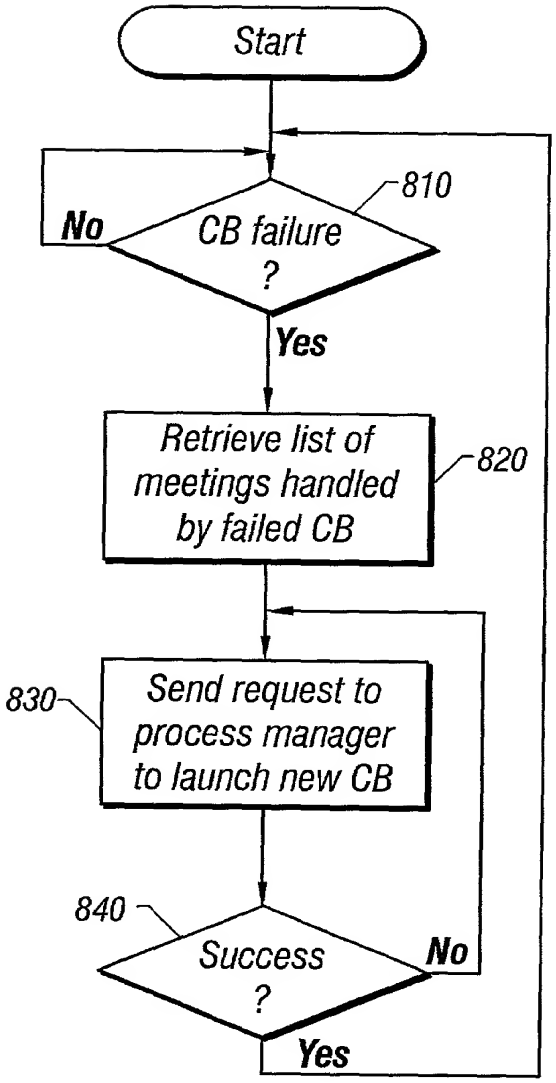


FIG. 8

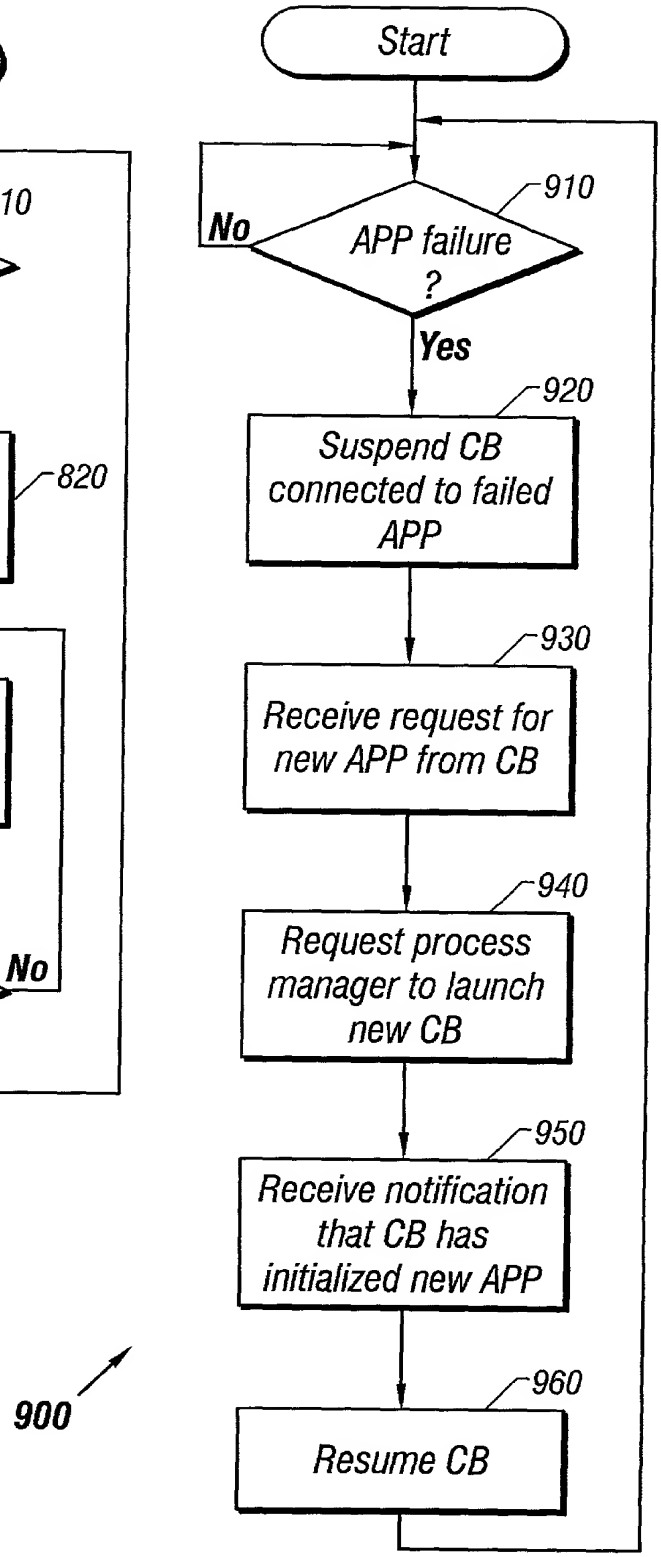


FIG. 9

Docket-8856US

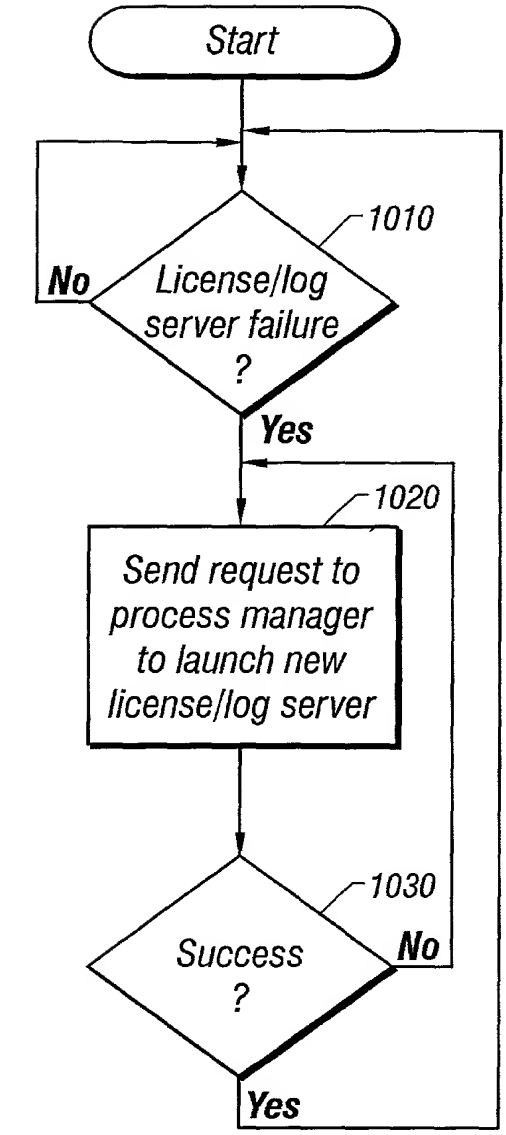


FIG. 10

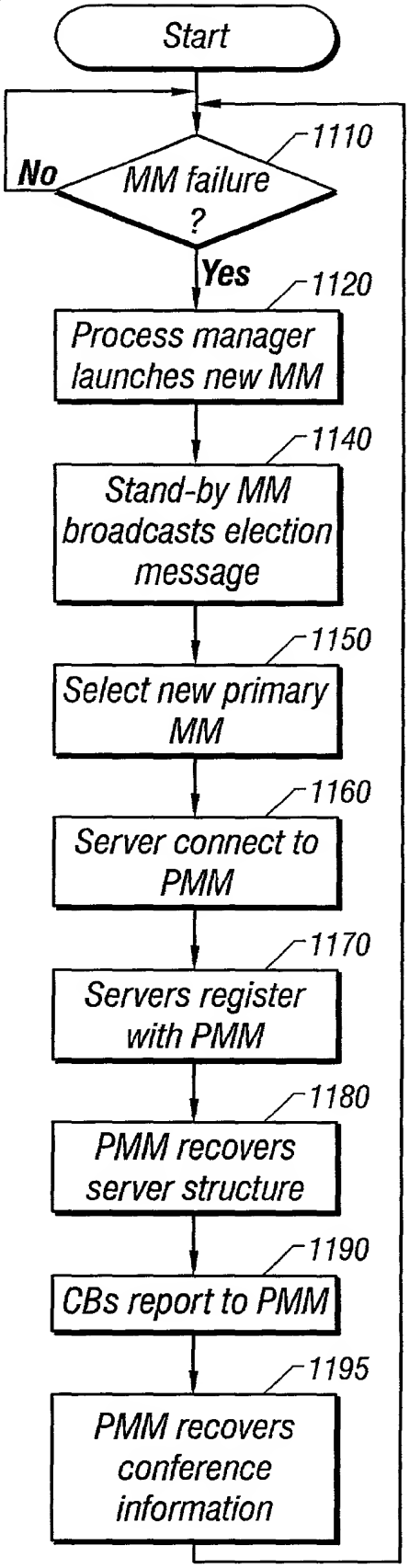


FIG. 11

Docket #M-8856 US

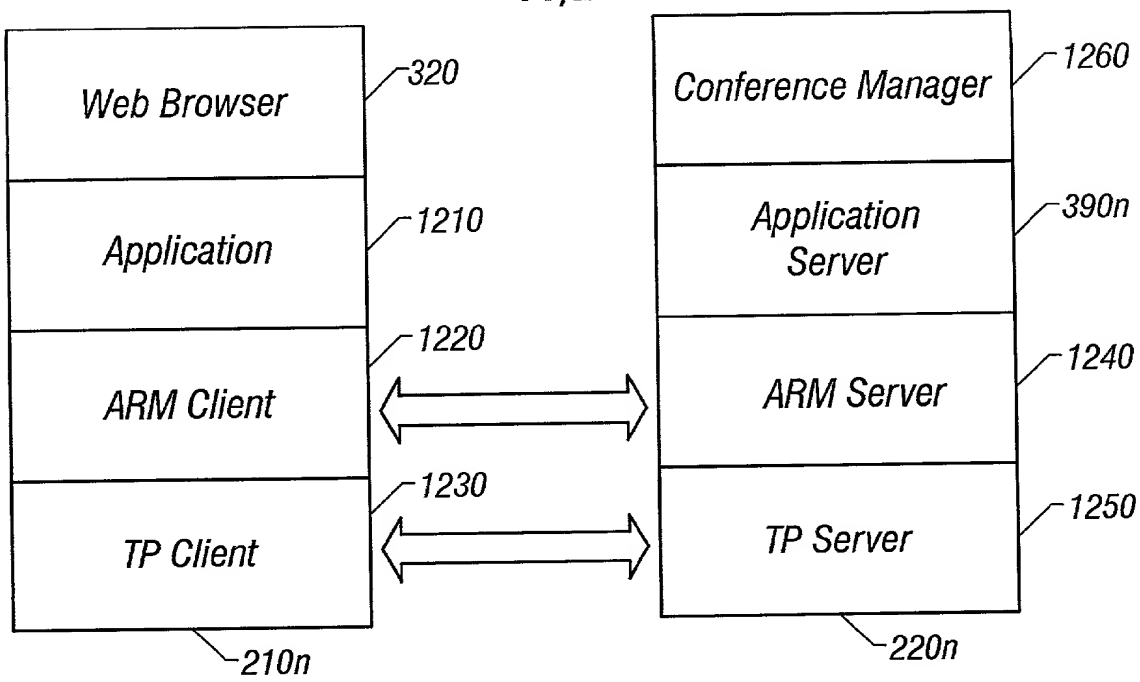


FIG. 12

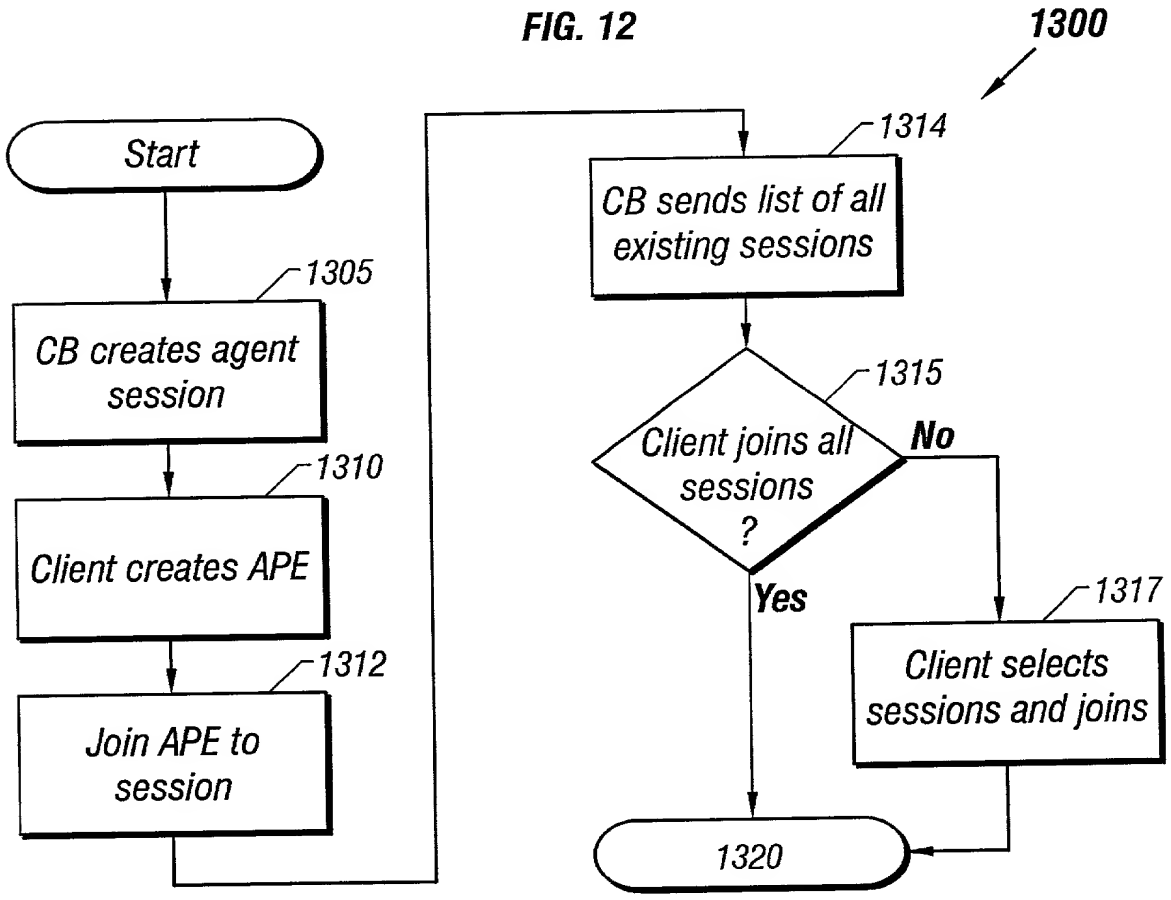


FIG. 13A

09515548 - 052504

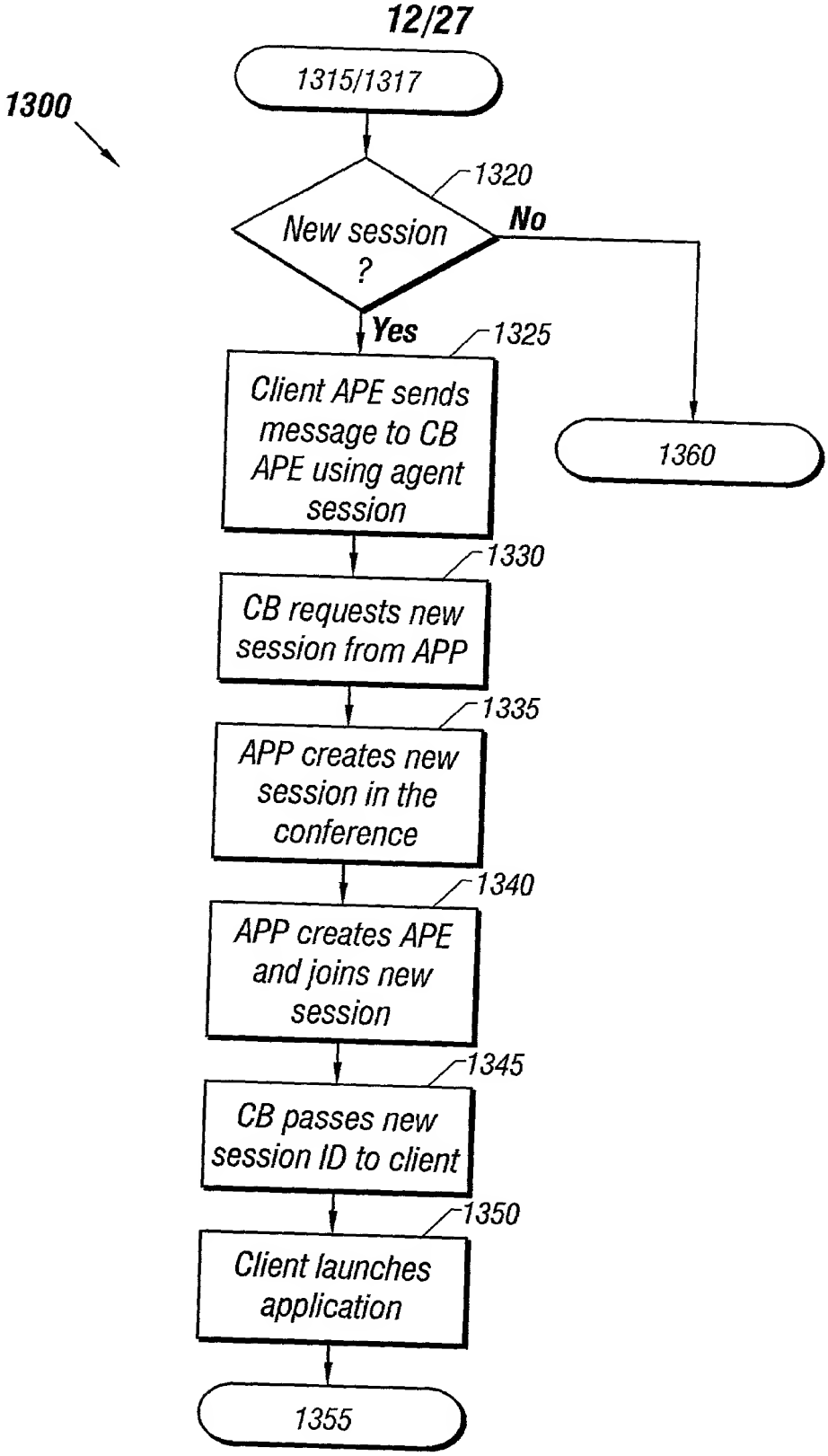


FIG. 13B

09754548 - 082604

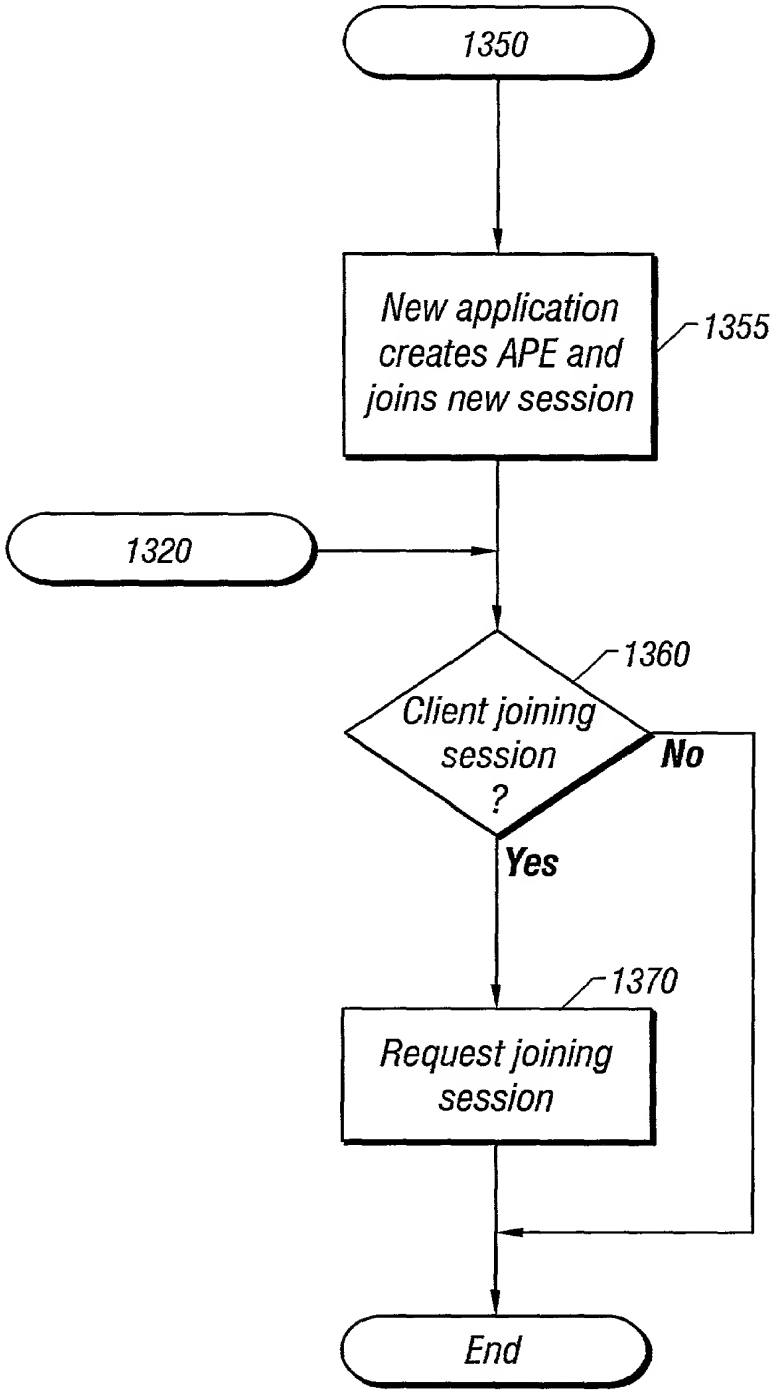


FIG. 13C

09/545,560 - 06/09/00

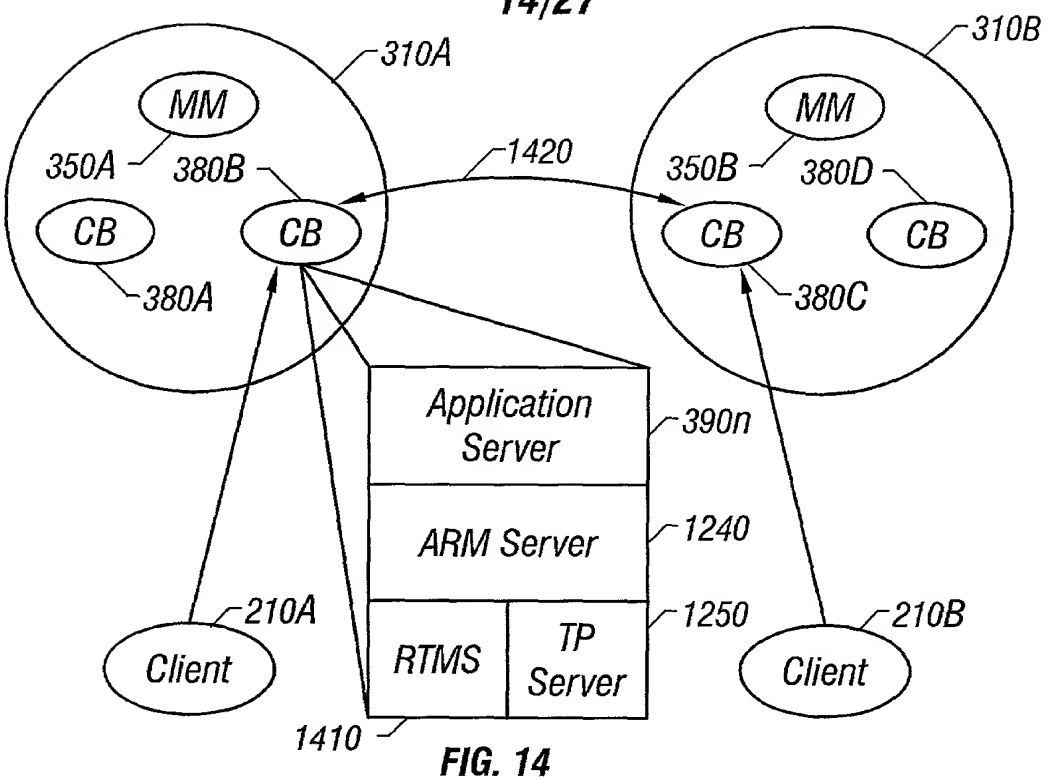

310A
310B
MM
MM
350A
380B
1420
350B
380D
CB
CB
CB
CB
380A
380C
Application Server
390n
ARM Server
1240
210A
210B
RTMS
TP Server
1250
Client
Client
1410

FIG. 14

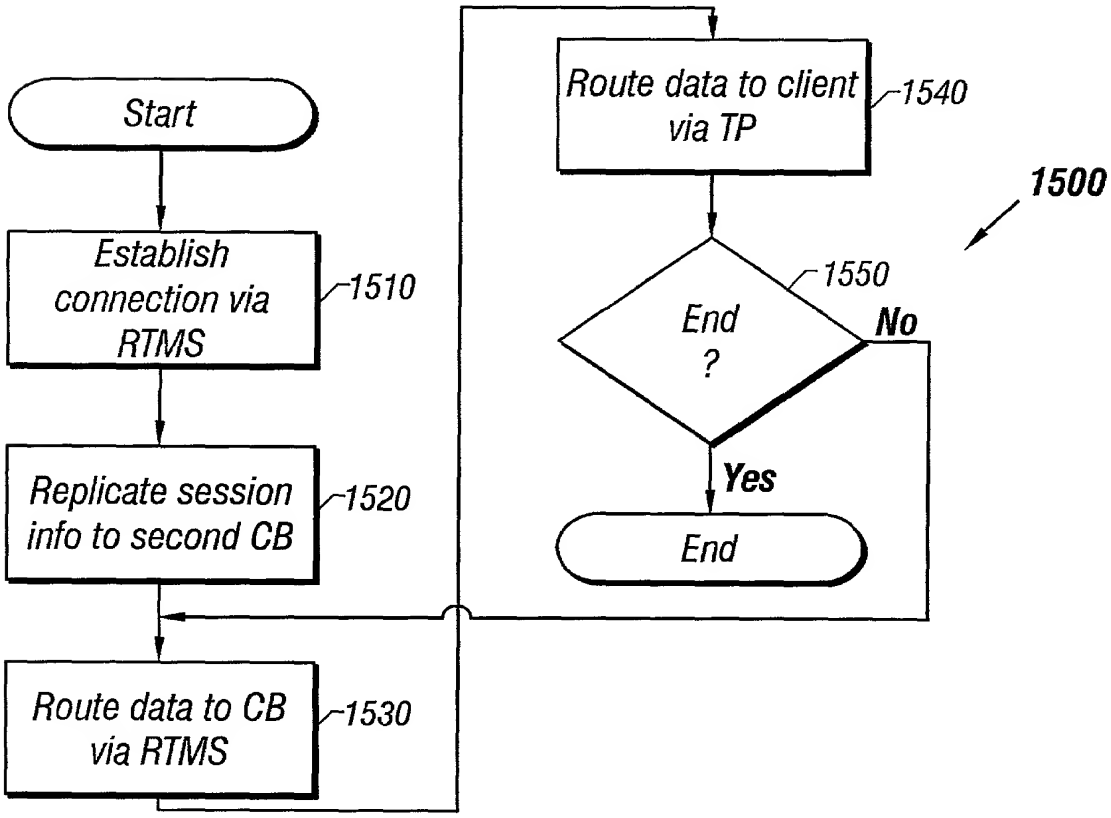

Start
Establish connection via RTMS
1510
Replicate session info to second CB
1520
Route data to CB via RTMS
1530
Route data to client via TP
1540
1500
End ?
1550
No
Yes
End

FIG. 15

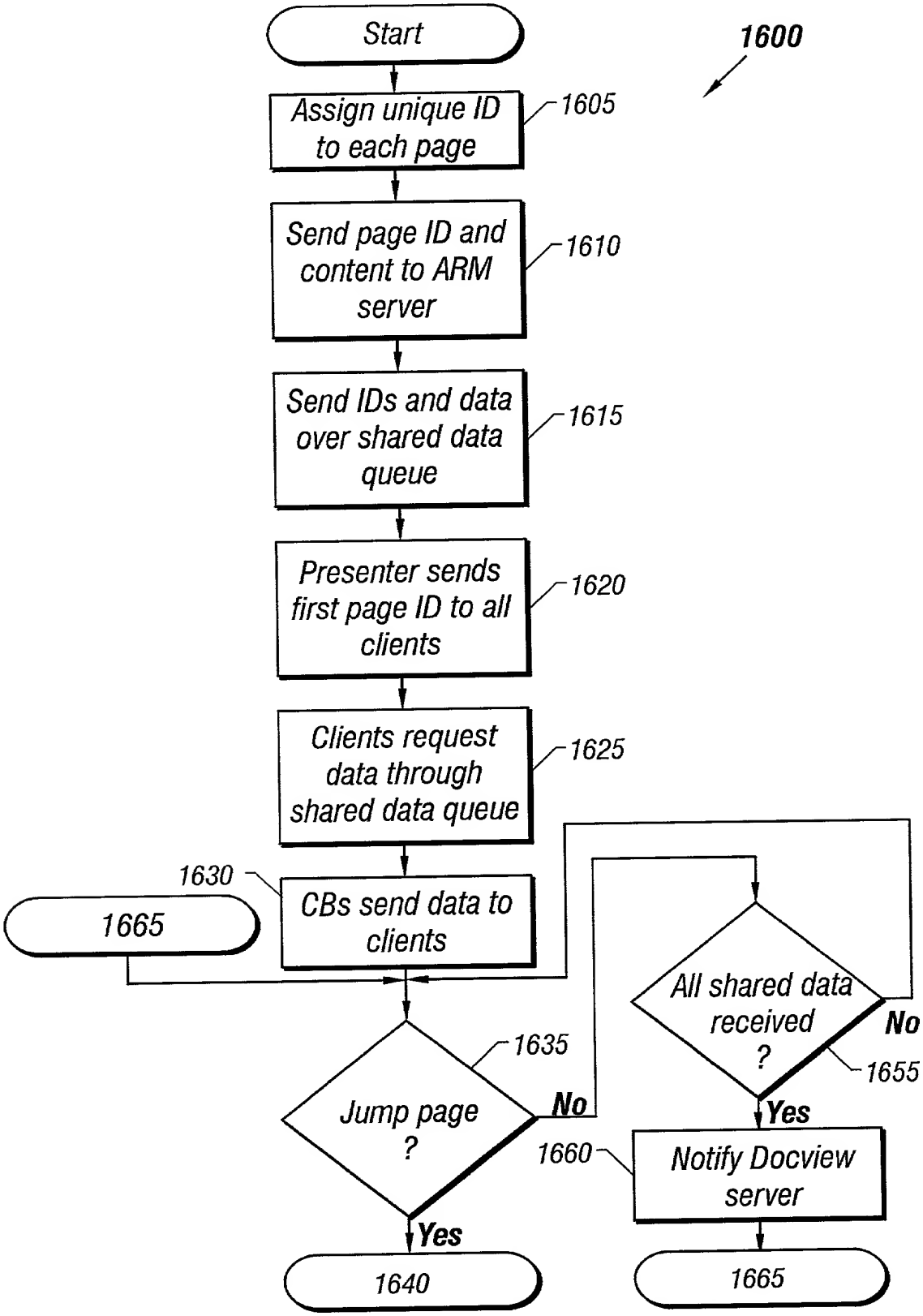

Start
1600
Assign unique ID to each page
1605
Send page ID and content to ARM server
1610
Send IDs and data over shared data queue
1615
Presenter sends first page ID to all clients
1620
Clients request data through shared data queue
1625
1630
1665
CBs send data to clients
All shared data received ?
No
1655
Yes
1635
Jump page ?
No
1660
Notify Docview server
Yes
1640
1665

FIG. 16A

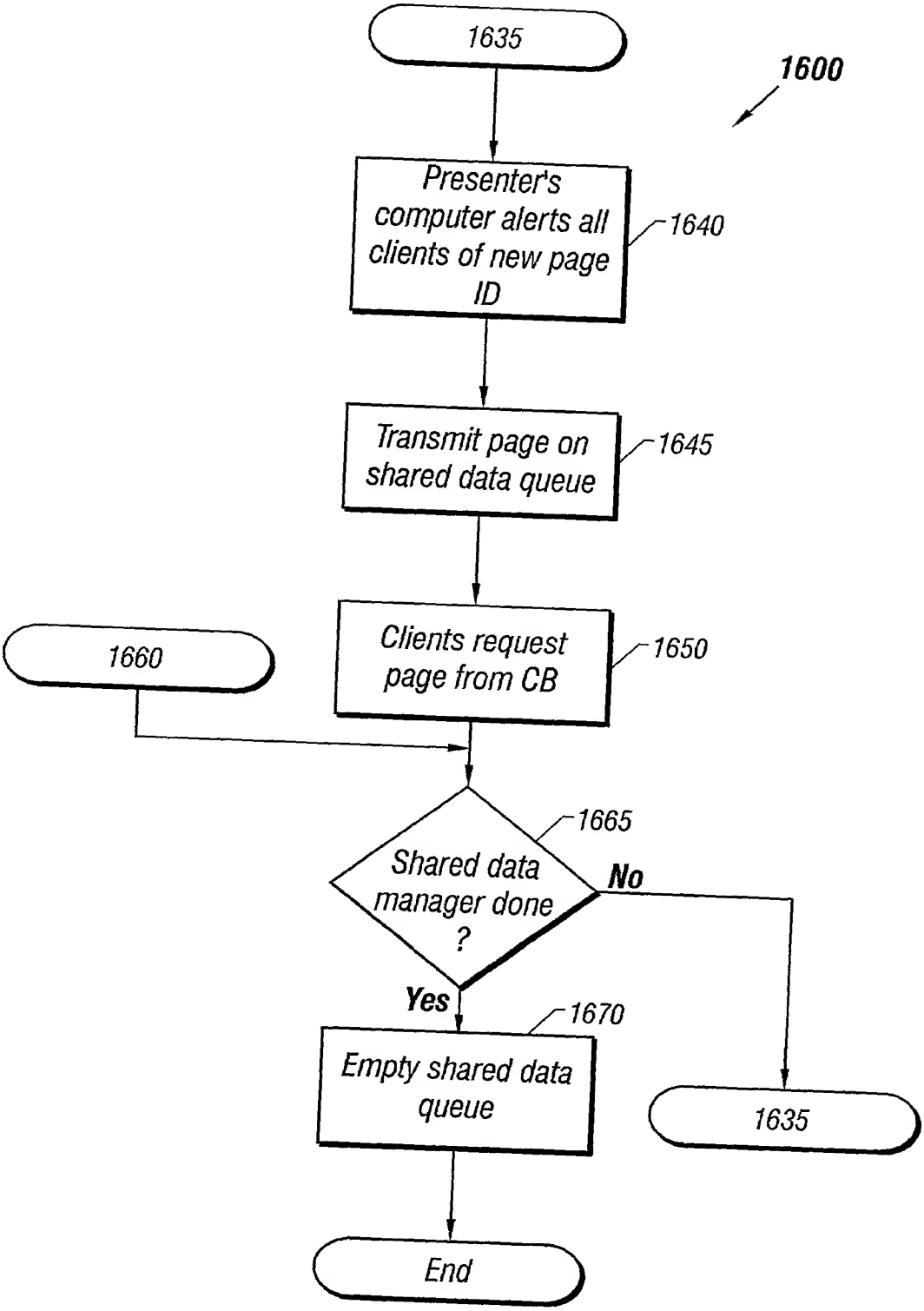

1635
1600
Presenter's computer alerts all clients of new page ID
1640
Transmit page on shared data queue
1645
1660
Clients request page from CB
1650
1665
Shared data manager done ?
No
Yes
1670
Empty shared data queue
1635
End

FIG. 16B

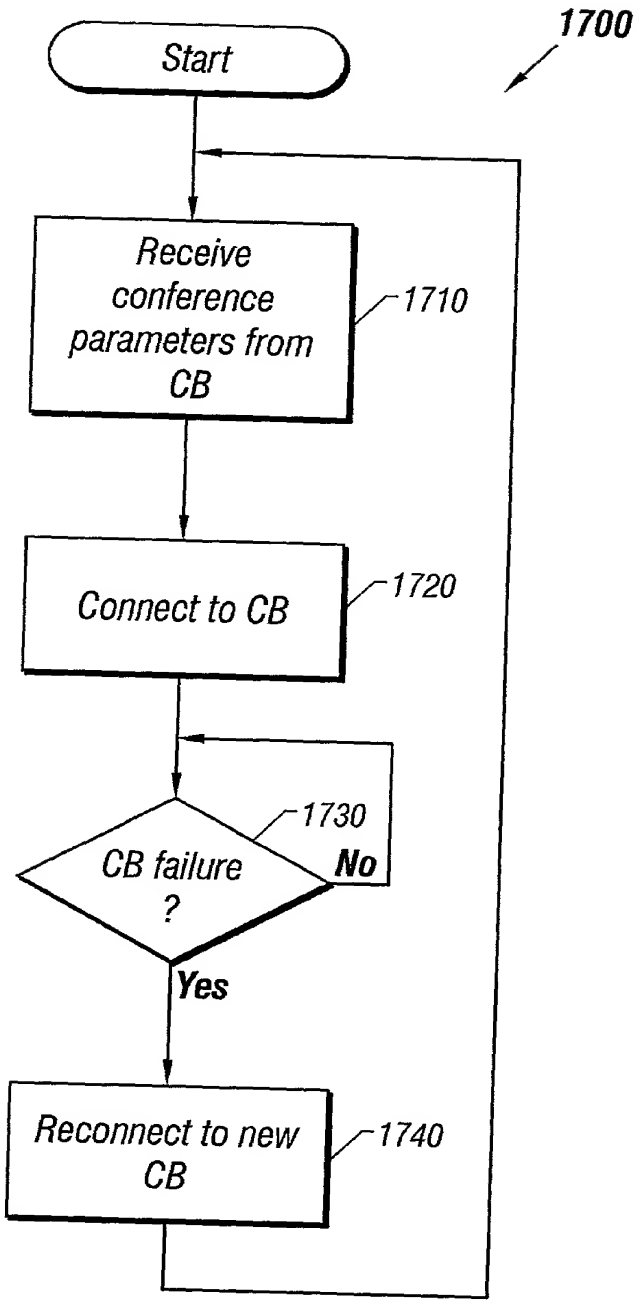


FIG. 17

Docket: M-8856 US

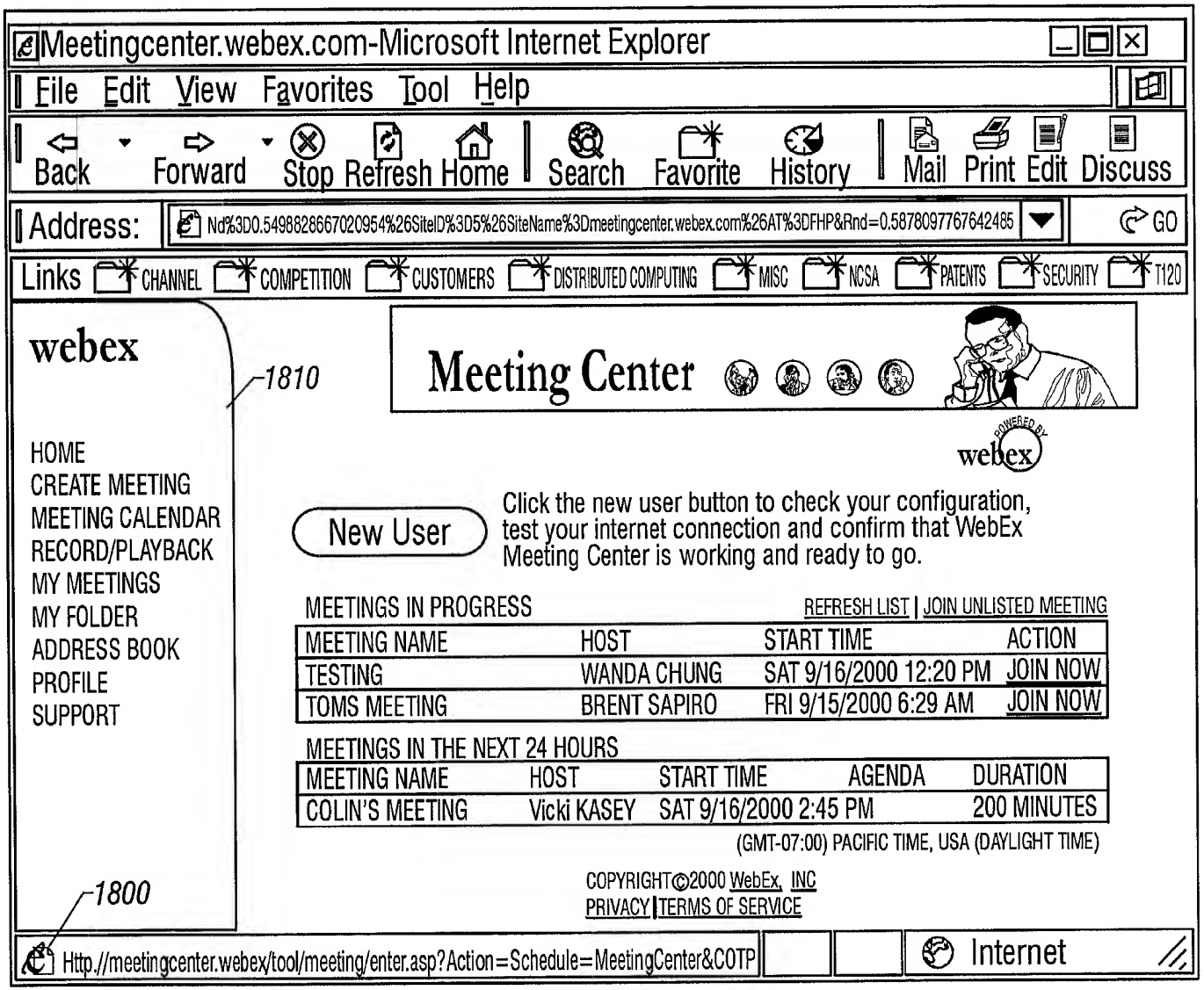

Meetingcenter.webex.com-Microsoft Internet Explorer
File Edit View Favorites Tool Help
Back Forward Stop Refresh Home Search Favorite History Mail Print Edit Discuss
Address: Nd%3D0.5498828667020954%26SiteID%3D5%26SiteName%3Dmeetingcenter.webex.com%26AT%3DFHP&Rnd=0.5878097767642485
GO
Links CHANNEL COMPETITION CUSTOMERS DISTRIBUTED COMPUTING MISC NCSA PATENTS SECURITY T120
webex
1810
Meeting Center
POWERED BY webex
HOME
CREATE MEETING
MEETING CALENDAR
RECORD/PLAYBACK
MY MEETINGS
MY FOLDER
ADDRESS BOOK
PROFILE
SUPPORT
New User
Click the new user button to check your configuration, test your internet connection and confirm that WebEx Meeting Center is working and ready to go.
MEETINGS IN PROGRESS
REFRESH LIST | JOIN UNLISTED MEETING
MEETING NAME HOST START TIME ACTION
TESTING WANDA CHUNG SAT 9/16/2000 12:20 PM JOIN NOW
TOMS MEETING BRENT SAPIRO FRI 9/15/2000 6:29 AM JOIN NOW
MEETINGS IN THE NEXT 24 HOURS
MEETING NAME HOST START TIME AGENDA DURATION
COLIN'S MEETING Vicki KASEY SAT 9/16/2000 2:45 PM 200 MINUTES
(GMT-07:00) PACIFIC TIME, USA (DAYLIGHT TIME)
COPYRIGHT©2000 WebEx, INC
PRIVACY | TERMS OF SERVICE
1800
Http://meetingcenter.webex/tool/meeting/enter.asp?Action=Schedule=MeetingCenter&COTP
Internet

FIG. 18A

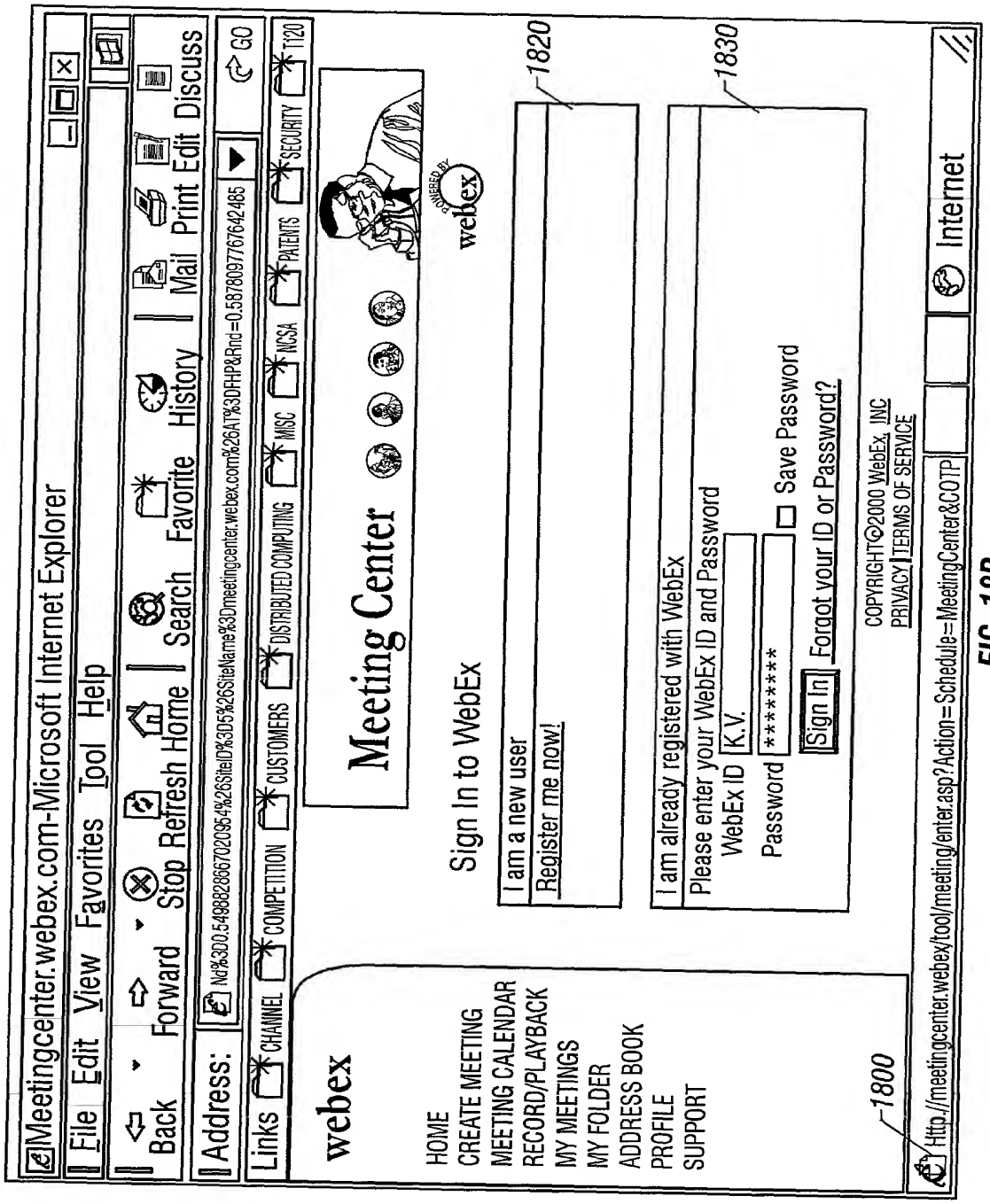

Meetingcenter.webex.com-Microsoft Internet Explorer
File Edit View Favorites Tool Help
Back Forward Stop Refresh Home Search Favorite History Mail Print Edit Discuss
Address:
GO
Links CHANNEL COMPETITION CUSTOMERS DISTRIBUTED COMPUTING MISC NCSA PATENTS SECURITY T120
webex
HOME
CREATE MEETING
MEETING CALENDAR
RECORD/PLAYBACK
MY MEETINGS
MY FOLDER
ADDRESS BOOK
PROFILE
SUPPORT
Meeting Center
Sign In to WebEx
I am a new user
Register me now!
I am already registered with WebEx
Please enter your WebEx ID and Password
WebEx ID K.V.
Password ********
Save Password
Sign In
Forgot your ID or Password?
COPYRIGHT©2000 WebEx, INC
PRIVACY | TERMS OF SERVICE
Internet
Http://meetingcenter.webex/tool/meeting/enter.asp?Action=Schedule=MeetingCenter&COTP
1800
1820
1830

FIG. 18B

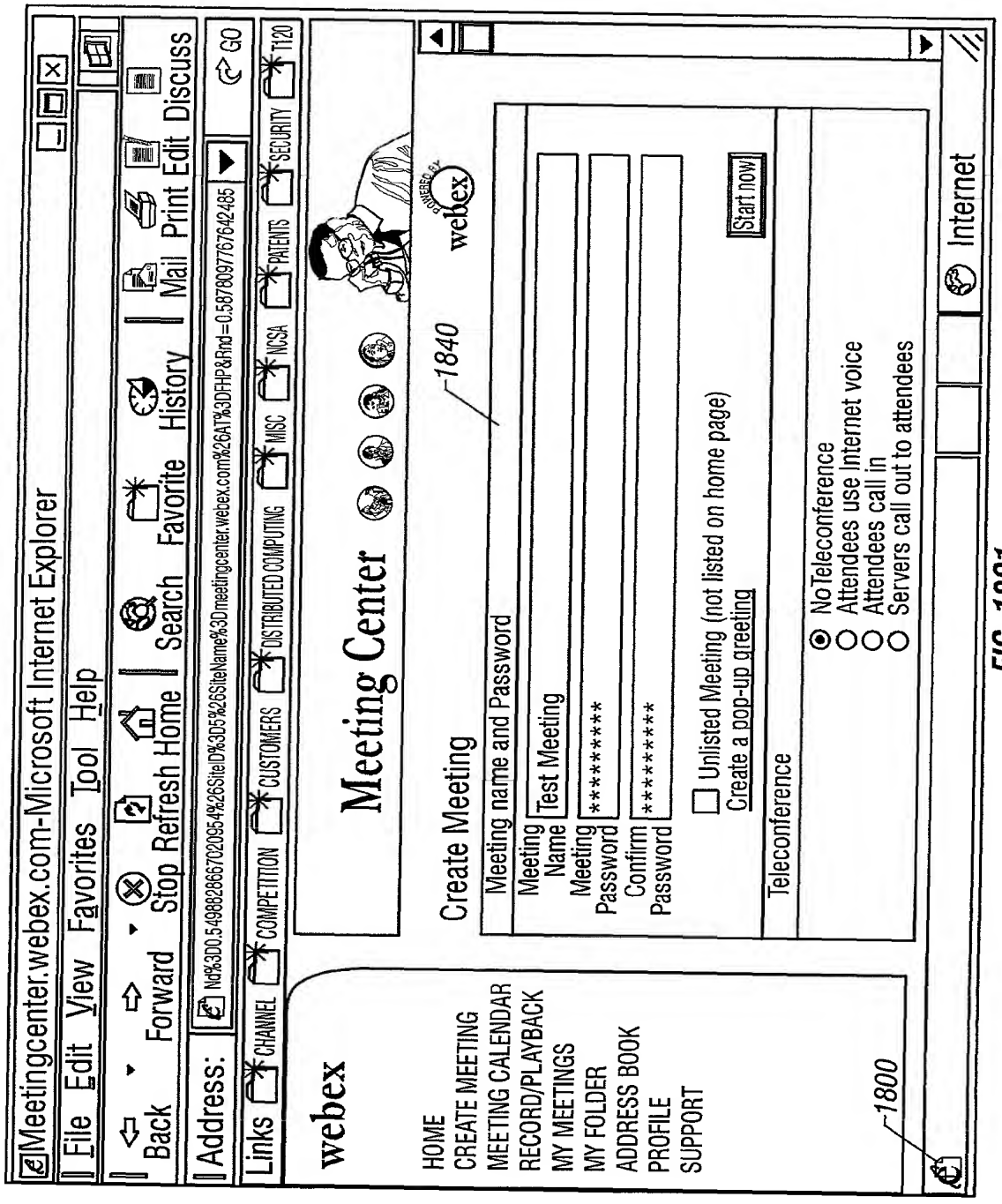

Meetingcenter.webex.com-Microsoft Internet Explorer
File Edit View Favorites Tool Help
Back Forward Stop Refresh Home Search Favorite History Mail Print Edit Discuss
Address:
GO
Links CHANNEL COMPETITION CUSTOMERS DISTRIBUTED COMPUTING MISC NCSA PATENTS SECURITY T120
webex
HOME
CREATE MEETING
MEETING CALENDAR
RECORD/PLAYBACK
MY MEETINGS
MY FOLDER
ADDRESS BOOK
PROFILE
SUPPORT
1800
Meeting Center
webex
1840
Create Meeting
Meeting name and Password
Meeting Name
Test Meeting
Meeting Password
Confirm Password
Unlisted Meeting (not listed on home page)
Create a pop-up greeting
Start now
Teleconference
No Teleconference
Attendees use Internet voice
Attendees call in
Servers call out to attendees
Internet

FIG. 18C1

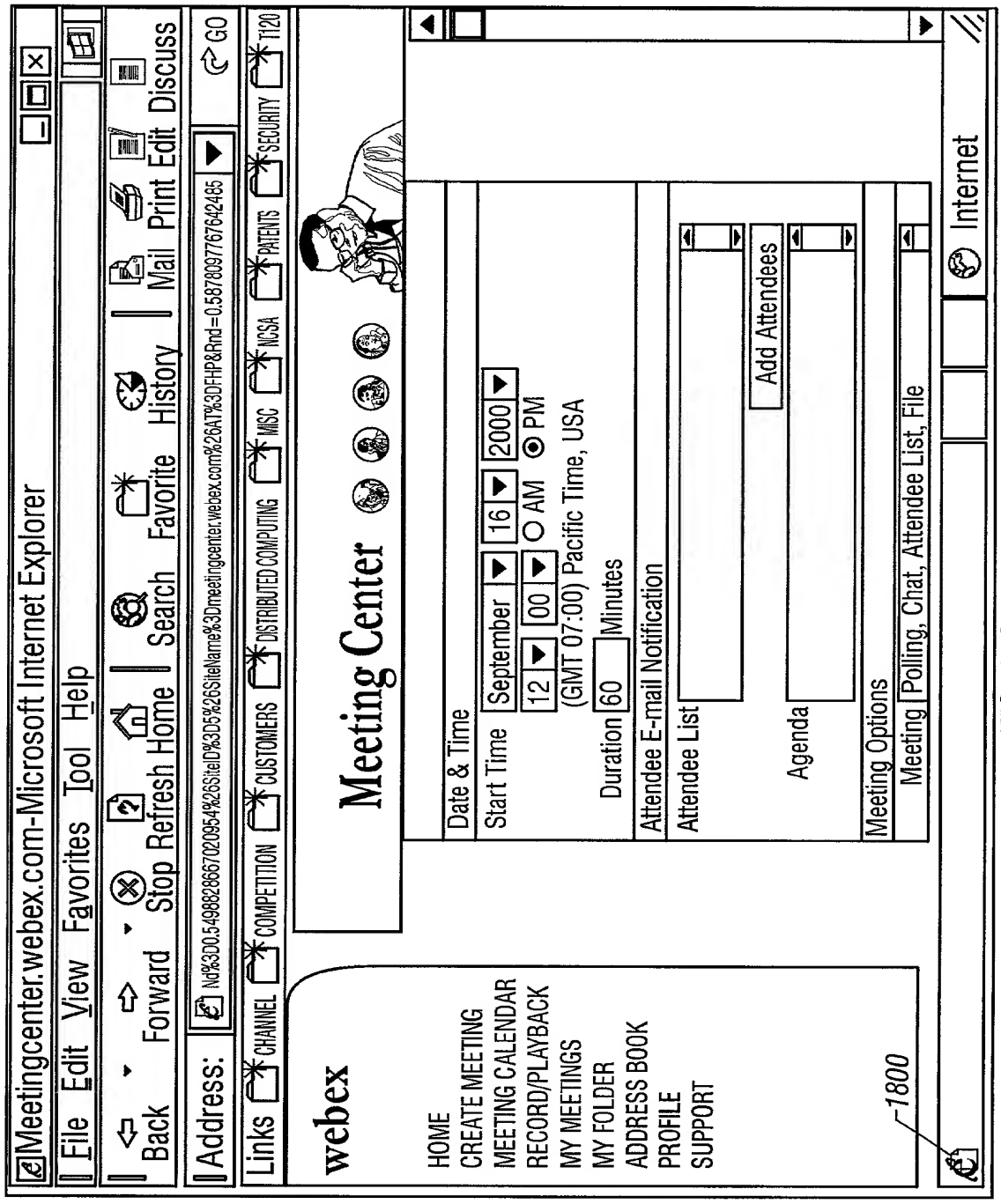

Meetingcenter.webex.com-Microsoft Internet Explorer
File Edit View Favorites Tool Help
Back Forward Stop Refresh Home Search Favorite History Mail Print Edit Discuss
Address:
GO
Links CHANNEL COMPETITION CUSTOMERS DISTRIBUTED COMPUTING MISC NCSA PATENTS SECURITY T120
webex
HOME
CREATE MEETING
MEETING CALENDAR
RECORD/PLAYBACK
MY MEETINGS
MY FOLDER
ADDRESS BOOK
PROFILE
SUPPORT
1800
Meeting Center
Date & Time
Start Time September 16 2000
12 00 AM PM
(GMT 07:00) Pacific Time, USA
Duration 60 Minutes
Attendee E-mail Notification
Attendee List
Add Attendees
Agenda
Meeting Options
Meeting Polling, Chat, Attendee List, File
Internet

FIG. 18C2

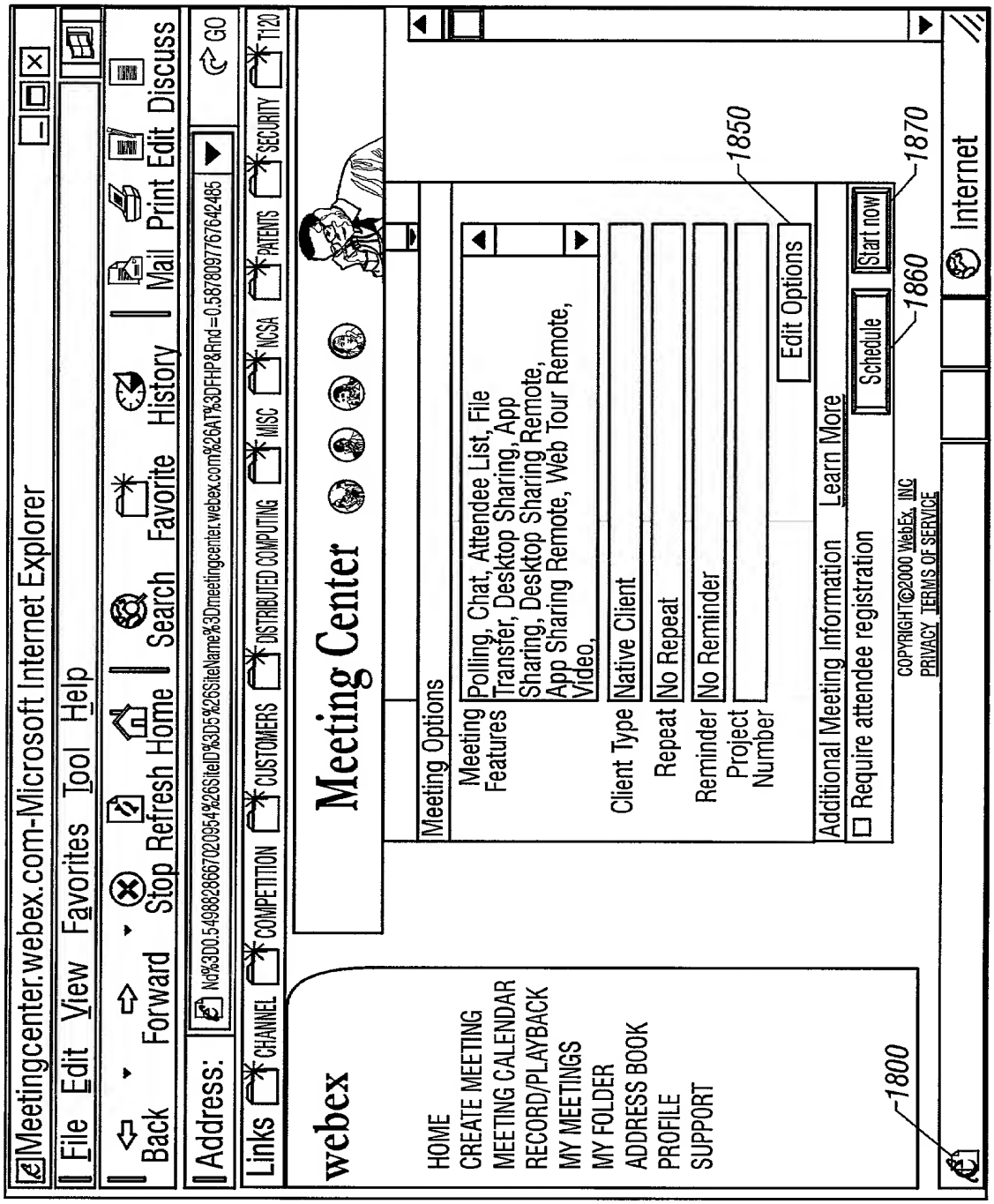

Meetingcenter.webex.com-Microsoft Internet Explorer
File Edit View Favorites Tool Help
Back Forward Stop Refresh Home Search Favorite History Mail Print Edit Discuss
Address:
Links CHANNEL COMPETITION CUSTOMERS DISTRIBUTED COMPUTING MISC NCSA PATENTS SECURITY T120
webex
Meeting Center
HOME
CREATE MEETING
MEETING CALENDAR
RECORD/PLAYBACK
MY MEETINGS
MY FOLDER
ADDRESS BOOK
PROFILE
SUPPORT
Meeting Options
Meeting Features
Polling, Chat, Attendee List, File Transfer, Desktop Sharing, App Sharing, Desktop Sharing Remote, App Sharing Remote, Web Tour Remote, Video,
Client Type
Native Client
Repeat
No Repeat
Reminder
No Reminder
Project Number
Edit Options
Additional Meeting Information
Learn More
Require attendee registration
Schedule
Start now
COPYRIGHT©2000 WebEx, INC
PRIVACY TERMS OF SERVICE
Internet
1800
1850
1860
1870

FIG. 18C3

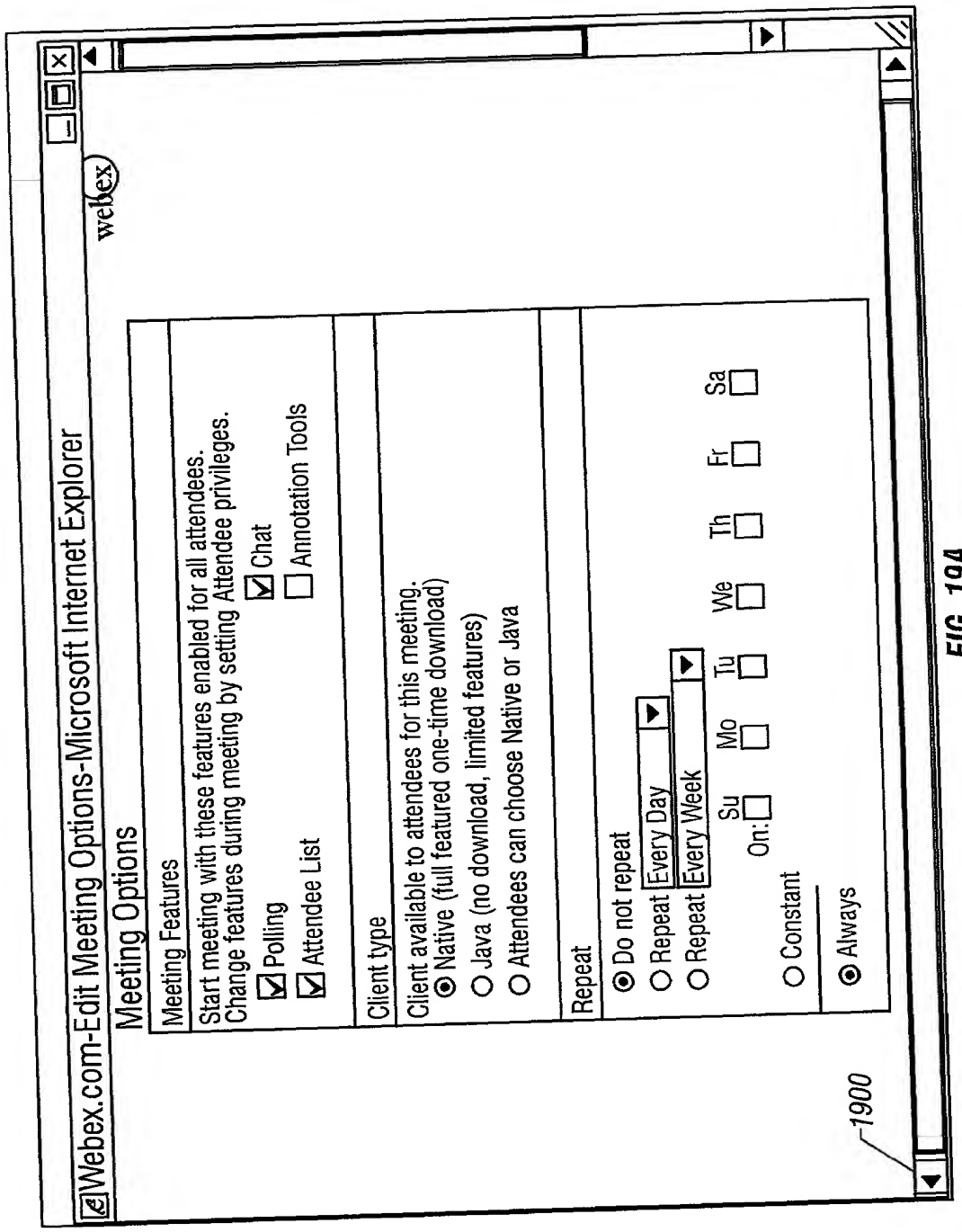

Webex.com-Edit Meeting Options-Microsoft Internet Explorer
webex
Meeting Options
Meeting Features
Start meeting with these features enabled for all attendees.
Change features during meeting by setting Attendee privileges.
Polling
Chat
Attendee List
Annotation Tools
Client type
Client available to attendees for this meeting.
Native (full featured one-time download)
Java (no download, limited features)
Attendees can choose Native or Java
Repeat
Do not repeat
Repeat Every Day
Repeat Every Week
On:
Su
Mo
Tu
We
Th
Fr
Sa
Constant
Always
1900

FIG. 19A

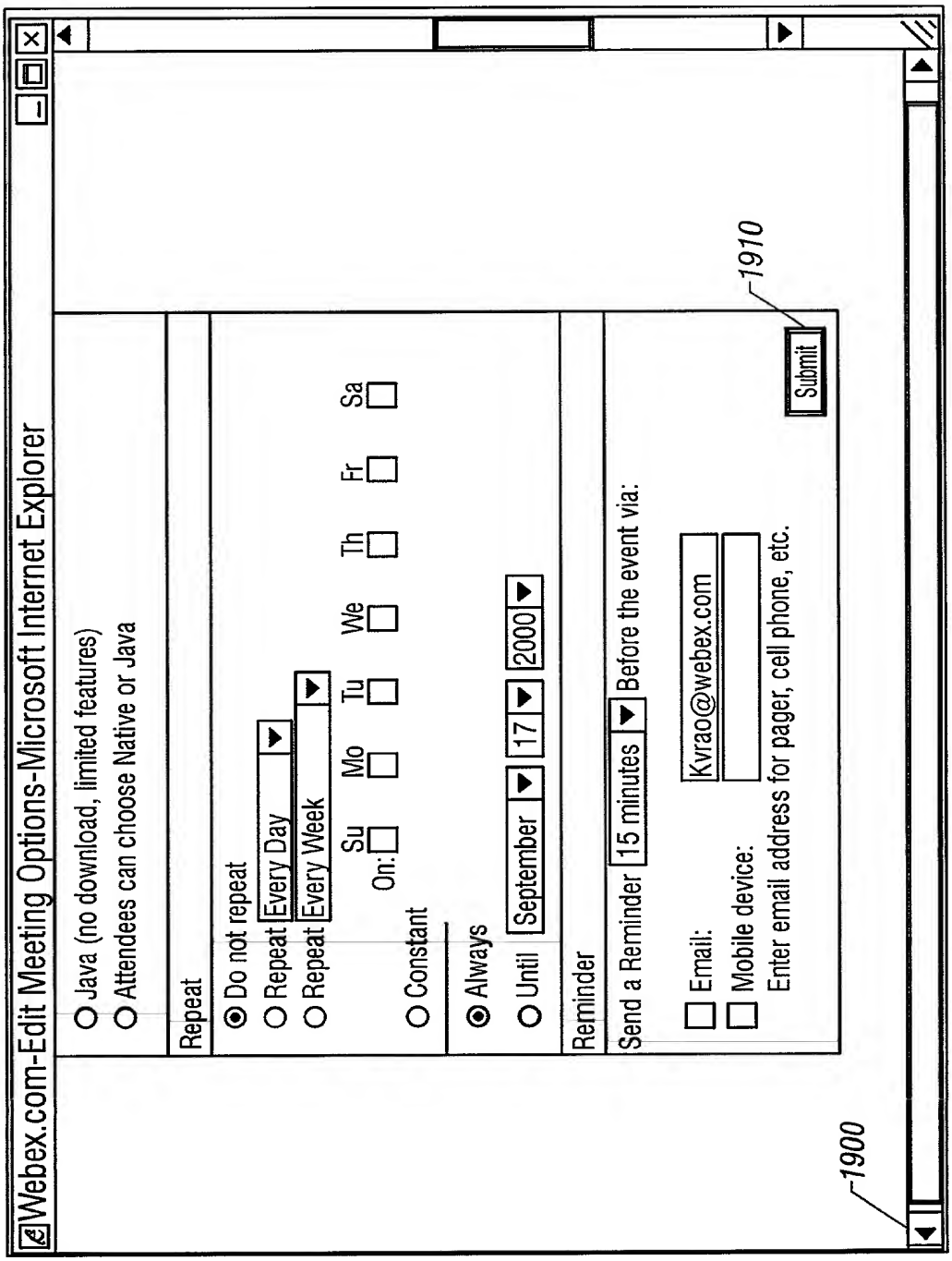

Webex.com-Edit Meeting Options-Microsoft Internet Explorer
Java (no download, limited features)
Attendees can choose Native or Java
Repeat
Do not repeat
Repeat Every Day
Repeat Every Week
Su Mo Tu We Th Fr Sa
On:
Constant
Always
Until September 17 2000
Reminder
Send a Reminder 15 minutes Before the event via:
Email: Kvrao@webex.com
Mobile device:
Enter email address for pager, cell phone, etc.
Submit
1900
1910

FIG. 19B

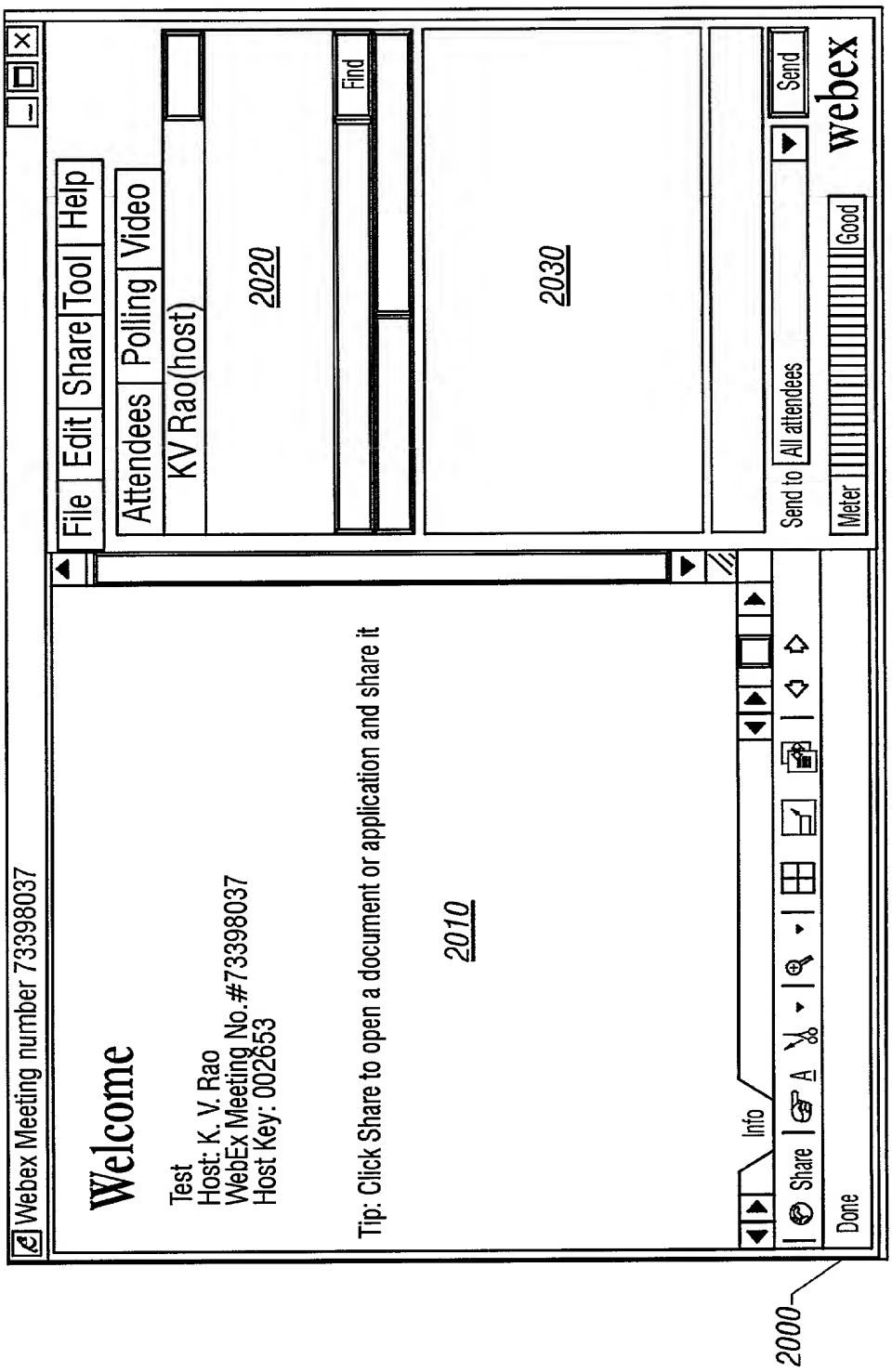

Webex Meeting number 73398037
File Edit Share Tool Help
Attendees Polling Video
KV Rao(host)
2020
Find
Welcome
Test
Host: K. V. Rao
WebEx Meeting No.#73398037
Host Key: 002653
Tip: Click Share to open a document or application and share it
2010
2030
Send to All attendees
Send
Meter Good
webex
Info
Share
Done
2000

FIG. 20A

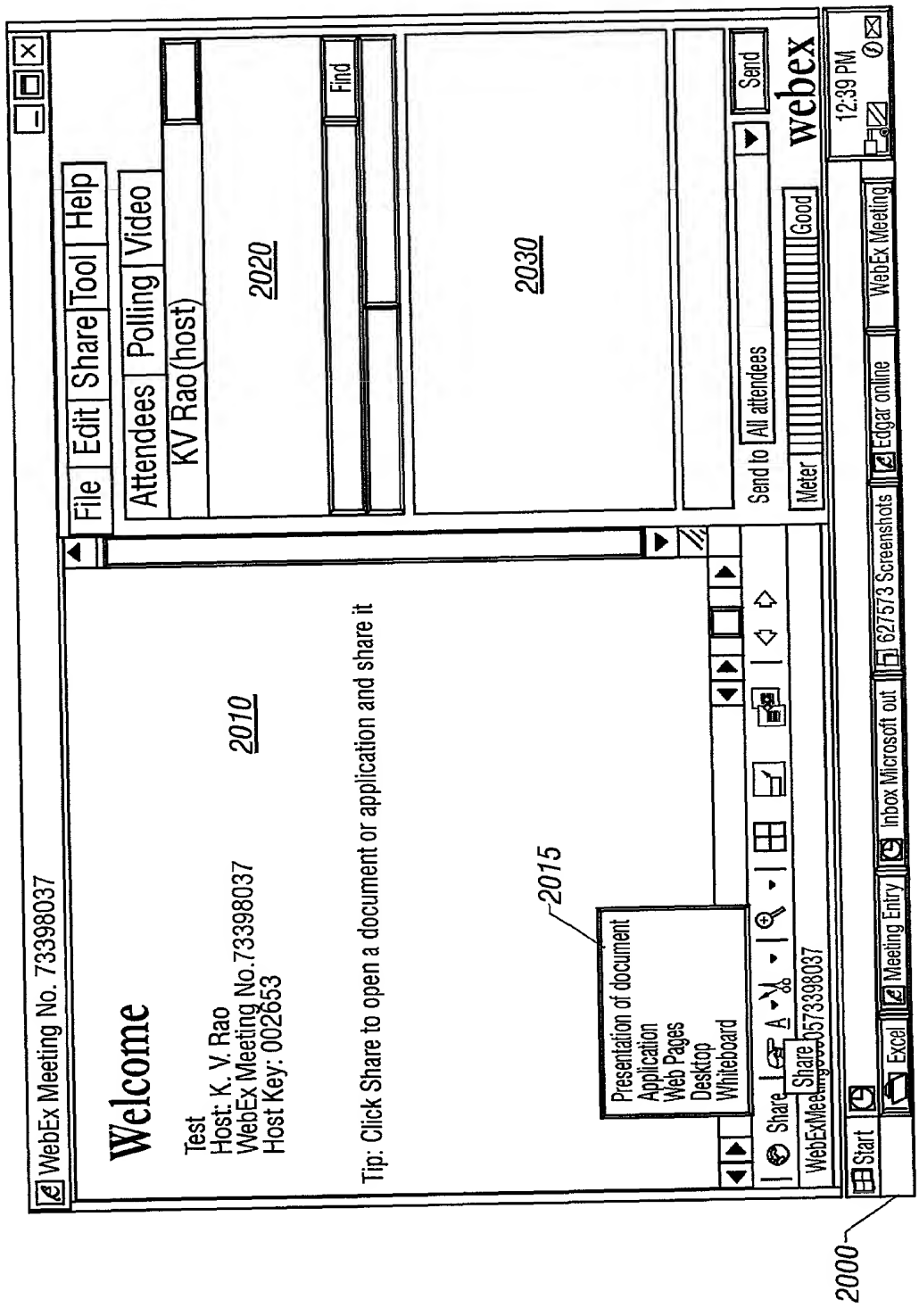

WebEx Meeting No. 73398037
File Edit Share Tool Help
Attendees Polling Video
KV Rao(host)
2020
Find
Welcome
Test
Host: K. V. Rao
WebEx Meeting No.73398037
Host Key: 002653
2010
2030
Tip: Click Share to open a document or application and share it
2015
Presentation of document
Application
Web Pages
Desktop
Whiteboard
Share
Send to All attendees
Send
Meter
Good
webex
Start
Excel
Meeting Entry
Inbox Microsoft out
627573 Screenshots
Edgar online
WebEx Meeting
12:39 PM
2000

FIG. 20B

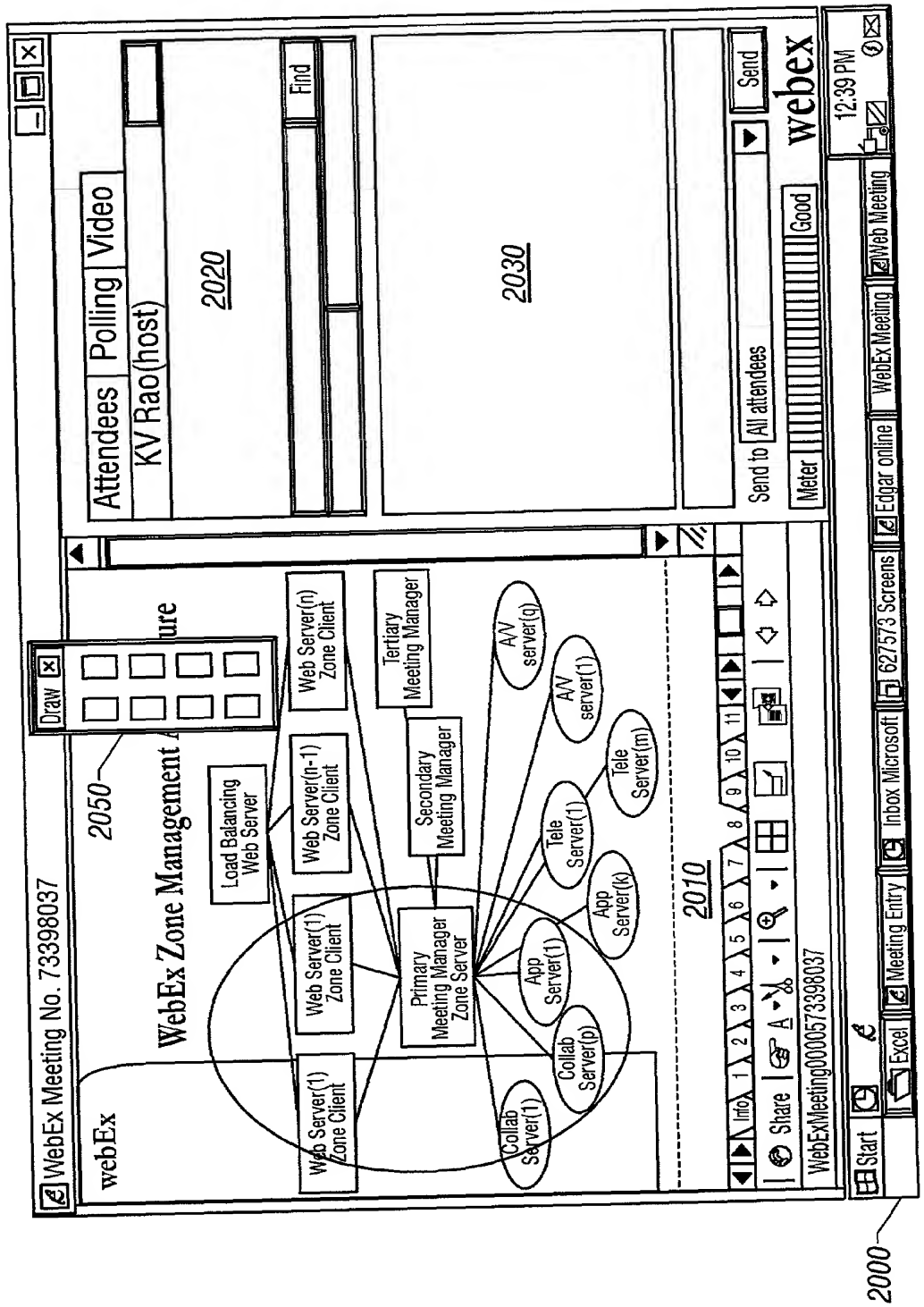

WebEx Meeting No. 73398037
webEx
WebEx Zone Management
2050
Draw
Attendees
Polling
Video
KV Rao(host)
2020
Find
2030
Send
webex
Send to
All attendees
Meter
Good
Load Balancing Web Server
Web Server(n) Zone Client
Web Server(n-1) Zone Client
Web Server(1) Zone Client
Web Server(1) Zone Client
Tertiary Meeting Manager
Secondary Meeting Manager
Primary Meeting Manager Zone Server
A/V server(q)
A/V server(1)
Tele Server(m)
Tele Server(1)
App Server(k)
App Server(1)
Collab Server(p)
Collab Server(1)
2010
Info
Share
WebExMeeting000057339803 7
Start
Excel
Meeting Entry
Inbox Microsoft
627573 Screens
Edgar online
WebEx Meeting
Web Meeting
12:39 PM
2000

FIG. 20C